

CHILDREN'S EXPLANATIONS
OF NATURAL PHENOMENA.

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PREFACE

This investigation into children's explanations of the natural phenomena has a twofold purpose. On the one hand, it is intended to place before the reader a general account of what the children know about the natural phenomena. On the other hand, it is hoped that it will serve as a reference ~~for~~ further research work of this kind, which will show whether childrens' ideas about the natural phenomena are improving or deteriorating.

The investigation took place at Anumle Govt. School, Royal Girls' school Accra and in one of the rooms of Aquinas College Christiansborg, where I stayed for a week. I thank the headmasters of the various schools for their help and more especially the headmaster of Anumle who allowed me the use of his school every afternoon for the duration of this piece of research.

SYMBOLS AND THEIR MEANINGS

It will be noticed that I have used symbols for the classification of the type of responses given by the children. The following table is a key to these symbols.

<u>Symbols</u>	<u>Meanings</u>
I A 1	Physical operational complete.
I A 2	" " partial.
I A 3	" " trial and error.
I A 4	" " personal.
I A 5	" " analogy.
I B 6	Physical phenomenistic simple phenomenism.
I B 7	" " human.
I B 8	" " reversal.
I B 9	Physical trickery.
II A 9	Non-physical internal dynamistic.
II A 10	" " animistic.
II B 11	" external magical.
II B 12	" " religious.
II C 13	" teleological naturalistic.
II C 14	" " providential
III 15	Failure to explain obvious.
III 16	" " " irrelevant.
III 17	" " " I don't know.

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PUPILS NO.	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	M I D D L E C H I L D
1	1	14 yrs.	Ga	Accra	Male	Anumale Govt.	Stones and sand
4	16	16	Ewe	Oko	"	"	When stone gather
11	13	15	Ga	Accra	Female	"	It was made by
12	15	16	"	"	Male	"	By rain collecting
23	15	14	"	"	"	"	Rain gather the sand form in this way
25	"	17	Ewe	Ayaka	"	"	Rain collects the
26	"	17	Ga	Teshi	"	"	Rain gathers sand, higher since rain
30	"	16	Ewe	Keta	"	Keta Presbyt.	Hills made by soil
31	"	17	Ga	Accra	Female	Royal Girls Accra	Mud made hills
27	"	15	Ewe	Anumale	Male	Anumale Govt.	It was made by place.
3	"	15	Ga	Accra	"	"	Sand gather in one
5	"	16	Fanti	Cape Coast	"	"	God made hills.
10	"	15	Ga	Accra	Female	"	By God.
14	"	15	"	"	"	"	God made them.
15	"	15	Fanti	Cape Coast	"	"	They were made
16	"	15	"	"	"	"	God made it.
9	"	14	Ga	Accra	"	"	God made them.
29	"	14	Fanti	Saltpond	Male	"	By God.
20	"	16	Ga	Accra	Female	"	God made it.
22	"	15	Fanti	Cape Coast	"	"	Hills are made
24	"	15	Ga	Accra	"	"	God made hills.
28	"	16	Ewe	Gati	"	"	God made hills.
7	"	15	Adangwi	Adaxfor	Male	"	I do not know.
17	"	14½	Ga	Accra	Female	"	I do not know.
19	"	17	Ewe	Achimota	"	"	I do not know.
2	"	16	Ewe	Togo	Male	"	I do not know.
6	"	17	"	Lome	"	"	I do not know.
18	"	16	Ga	Accra	Female	"	I do not know
21	"	16	"	"	"	"	Hills are made
32	"	18	"	"	Male	Presbyt. X'borg	It was made
13	"	15	Ewe	Achimota	Female	"	They are made
8	"	16	Ga	Accra	Male	"	They are made

RENS' RESPONSES

TYPE OF
ANSWER

together make hills by water carry them to one place.	I B 6
together they form hills. What gathers them? Rain water.	I B 6
rain collecting stones, rocks to make hills.	I B 6
stone and rock.	I B 6
to a place and that make hills. Why do hills not nowadays? The ground is strong.	I B 6
soil and leaves it in one place.	I B 6
rock & this make hills. Why do the hills not ^{become} grow still falls? I do not know.	I B 6 & III 17
wash & the remaining hard places form hills.	I B 6
which was carried by water.	I B 6
rocks, trees & soil by rain which wash them in one	I B 6
place by rain, ^{and grass & trees} which wash them grow on it, it make hills.	I B 6
	II B 12
	II B 12
	II B 12
by God.	II B 12
	II B 12
	II B 12
	II B 12
	II B 12
by God	II B 12
	II B 12
	II B 12
	III 17
	III 17
	III 17
	III 17
	III 17
by nature.	II C 13
by nature.	II C 13
by nature.	II C 13
by nature	II C 13

							MIDDLE CHILD
PUPILS' No.	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	
7	2	15 yrs.	Adangwe	Adafor	Male	Anumle Govt.	The rain water met a
9	"	14	Ga	Accra	Female	"	Water collecting in that
12	"	16	"	"	Male	"	Rain settles in valleys
14	"	15	"	"	Female	"	It was made by
25	"	17	Ewe	Ayalea	Male	"	Water in a valley make
26	"	17	Ga	Teshi	"	"	The rain fall into
27	"	15	Ewe	Anumle	"	"	Rain settles in a
28	"	16	"	Gati	Female	"	The rain fall in
29	"	14	Fanti	Saltpond	Male	"	Small streams make
31	"	17	Ga	Accra	Female	Royal Girls Accra	Rain make lake Bosumtwi.
							deep valleys again
2	"	16	Ewe	Togo	Male	Anumle Govt.	I do not know.
3	"	15	Ga	Accra	"	"	I do not know.
4	"	16	Ewe	Oko	"	"	I do not know.
5	"	16	Fanti	Cape Coast	"	"	I do not know.
10	"	15	Ga	Accra	Female	"	I do not know.
16	"	15	Fanti	Cape Coast	"	"	I do not know.
18	"	16	Ga	Accra	Male	"	I do not know.
23	"	14	"	"	"	"	Nobody knows how
30	"	16	Ewe	Keta	Male	Keta Presbyt.	I do not know.
32	"	18	Ga	Accra	"	X'borg "	I do not know.
6	"	17	Ewe	Lome	"	Anumle Govt.	I hear that it is at
1	"	14	Ga	Accra	"	"	A small well.
8	"	16	"	"	Female	"	Is a nature
13	"	15	Ewe	Achimota	"	"	By nature
21	"	16	Ga	Accra	"	"	They are also
17	"	14½	"	"	"	"	It was made by
19	"	17	Ewe	Achimota	"	"	God make it.
22	"	15	Fanti	Cape Coast	"	"	They are also
24	"	15	Ga	Accra	"	"	God made it.
20	"	16	"	"	"	"	God made it.
11	"	15	"	"	"	"	From the Volta.
15	"	15	Fanti	Cape Coast	"	"	I do not know.

RENS' RESPONSES

TYPE OF
ANSWER

hole here & it stoge in that hole. What made the hole? I do not know.	III 17 & 1A
hole in the ground. What made the hole? A valley is there.	IA 2
and every year it gets big and make the lake.	IA 2
rain water entering in that valley.	IA 2
lake. From where does the water come? From rain water.	IA 2
a valley and increase into a lake.	IA 2
hole in that valley.	IA 2
that place where there is a valley & rain water settled there.	IA 2
lakes by water collecting in the bottom of a hill or mountain.	III 16
Why does the rain not make other lakes? There are no	
where rain can stand.	IA 2
	III 17
	III 17
	III 17
	III 17
	III 17
	III 17
	III 17
how it came there.	III 17
	III 17
	III 17
Ashanti but I do not know how it was made.	III 17
What made it. Nature.	II C 13
	II C 13
	II C 13
made by nature.	II C 13
God.	II B 12
	II B 12
made by God.	II B 12
	II B 12
	II B 12
	III 16
	III 17

MIDDLE

PUPILS NO	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD
1	3	14 yrs	Ga	Accra	Male	Anumle Court	The waves
2	"	16	Ewe	Togo	"	"	They come from
3	"	15	Ga	Accra	"	"	From the sea.
4	"	16	Ewe	Oko	"	"	They come from
5	"	16	Fanti	Cape Coast	"	"	Waves come from
6	"	17	Ewe	Lome	"	"	Waves come from
7	"	15	Adangui	Adafor	"	"	Waves come from
8	"	16	Ga	Accra	"	"	They come from
9	"	14	"	"	Female	"	They come from the
10	"	15	"	"	"	"	They come from the
11	"	15	"	"	"	"	From the sea
12	"	16	"	"	Male	"	On the surface of
13	"	15	Ewe	Achimota	Female	"	On the surface of
16	"	15	Fanti	Cape Coast	"	"	On the surface of
19	"	17	Ewe	Achimota	"	"	On the surface of
21	"	16	Ga	Accra	"	"	On the surface of
22	"	15	Fanti	Cape Coast	"	"	On the surface of
25	"	17	Ewe	Ayakea	Male	"	On the surface
15	"	15	Fanti	Cape Coast	Female	"	They come
26	"	17	Ga	Teshi	Male	"	They come from
27	"	15	Ewe	Anumle	"	"	They come from
28	"	16	"	Gati	Female	"	They come from
17	"	14½	Ga	Accra	"	"	Waves come from
18	"	16	"	"	"	"	From the western
20	"	16	"	"	"	"	They come in
23	"	14	"	"	"	"	They come from
24	"	15	"	"	"	"	They come far in
29	"	14	Fanti	Saltpond	Male	"	They come from
31	"	17	Ga	Accra	Female	Royal Girls Accra	From the sea.
32	"	18	"	"	"	X'borg Presbyt	From the sea.
30	"	16	Ewe	Keta	"	Keta Presbyt	Waves come from
14	"	15	Ga	Accra	"	Anumle Court	It comes from the does this happen?

FORM FOUR

REN'S RESPONSES

TYPE OF
ANSWER

COMMENT

come from the sea.

TRICKERY

This was has been

The end of the sea.

..

trickishly set and

..

it has therefore been

1 the upper part of the sea.

..

classified as stated.

the sea.

..

the sea.

..

the sea.

..

the sea.

..

sea.

..

sea.

..

..

the sea.

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the sea.

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the sea.

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the sea.

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the sea.

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the sea

..

of the sea.

..

from the sea.

..

the sea.

..

the sea.

..

the west of the sea.

..

the south of the sea.

..

side of the sea.

..

the middle of the sea.

..

the sea.

..

the sea.

..

the upper part of the sea.

..

..

..

the sea.

..

moon, sun & stars. How

I do not know.

III 16 & III 17

							MIDDLE CHILD
PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	
1	4	14 yrs	Ga	Accra	Male	Anumle Court	The air pushes
4	"	16	Ewe	Oko	"	"	It makes waves
6	"	17	"	Lome	"	"	The water makes
8	"	15	Ga	Accra	"	"	When the wind
12	"	16	"	"	"	"	Because the
13	"	15	Ewe	Achimota	Female	"	Wind make the
15	"	15	Fanti	Cape Coast	"	"	Wind blows it.
19	"	17	Ewe	Achimota	"	"	Because of
21	"	16	Ga	Accra	"	"	When the wind
22	"	15	Fanti	Cape Coast	"	"	Because of
23	"	14	Ga	Accra	male	"	Because wind
25	"	17	Ewe	Ayaka	"	"	Because. of the
27	"	15	"	Anumle	"	"	Because when
29	"	14	Fanti	Saltpond	"	"	It is made by
30	"	16	Ewe	Keta	"	Keta Presbyt.	It is because
31	"	17	Ga	Accra	Female	Royal Girls Accra	I do not
2	"	16	Ewe	Togo	Male	Anumle Court	I do not know.
17	"	14½	Ga	Accra	Female	"	I do not know.
20	"	16	"	"	"	"	I do not know.
3	"	15	"	"	Male	"	Water makes
28	"	16	Ewe	Gati	Female	"	They make waves
18	"	16	Ga	Accra	"	"	Because there
32	"	18	"	"	Male	X'berg Presby	Because there
10	"	15	"	"	Female	Anumle Court	God made them
26	"	17	"	Teshi	Male	"	Because that is
24	"	15	"	Accra	Female	"	It makes waves
14	"	15	"	"	"	"	Because it is
7	"	15	Adangui	Adafor	Male	"	I do not know.
9	"	15	Ga	Accra	Female	"	The flowing of
11	"	15	"	"	"	"	I do not know.
5	"	16	Fanti	Cape Coast	Male	"	Water makes waves by
16	"	15	"	"	Female	"	Waves come

RENS' RESPONSES

TYPES OF
ANSWER

the water.	I A I
when the air blows.	I A I
waves because of wind.	I A I
blows the water will have waves.	I A I
wind blows.	I A I
water flow like waves.	I A I
	I A I
air.	I A I
blows the water make waves.	I A I
wind.	I A I
have got a strength and it make waves.	I A I
wind blowing	I A I
the wind blows, it force the water move.	I A I
the air.	I A I
of winds.	I A I
know.	III 17
	III 17
	III 17
	III 17
waves by the influence of the moon.	III 16
because it has salt.	III 16
is salt in it.	III 16
is salt in it.	III 16
in the sea.	II B 12
what is said by God.	II B 12
because it goes up & down big stones.	I B 8
by nature.	II C 13
	III 17
the water is caused by winds.	I A I
	III 17
the moon & sun which cause winds	III 16
from the sea.	III 16

PUPILS' NO.	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD —
2	5	16 yrs	Ewe	Togo	Male	Anumle Govt.	When high wind
5	"	16	Fanti	Cape Coast	"	"	Waves are some
6	"	17	Ewe	Lome	"	"	Because sometimes when
7	"	15	Adangwi	Adafor	"	"	Because sometimes
8	"	16	Ga	Accra	"	"	If there is much
9	"	14	"	"	Female	"	According to the
12	"	16	"	"	Male	"	It is due to the
15	"	15	Fanti	Cape Coast	Female	"	Because sometimes
14	"	15	Ga	Accra	"	"	Because it has
17	"	14½	"	"	"	"	Because of the
11	"	15	"	"	"	"	Because ^{weather} and changes &
18	"	16	"	"	"	"	Because it has
19	"	17	Ewe	Achimota	"	"	Sometimes the wind
20	"	16	Ga	Accra	"	"	When the sea
21	"	16	"	"	"	"	Because you have
22	"	15	Fanti	Cape Coast	"	"	Because waves
23	"	14	Ga	Accra	Male	"	Sometimes the sea is
25	"	17	Ewe	Ayaka	"	"	If the wind blows
27	"	15	"	Anumle	"	"	Waves are make
28	"	16	"	Gati	Female	"	Because there is
29	"	14	Fanti	Saltpond	Male	"	The breeze changes
30	"	16	Ewe	Keta	"	Keta Presbyt.	When the wind are
4	"	16	"	Oko	"	Anumle Govt.	When wind blows on
3	"	15	Ga	Accra	"	"	I do not know.
10	"	15	"	"	Female	"	I do not know.
1	"	14	"	"	Male	"	The land and
13	"	15	Ewe	Achimota	Female	"	It is because the
16	"	15	Fanti	Cape Coast	"	"	Rain causes it.
24	"	15	Ga	Accra	"	"	Because sometimes
26	"	17	"	Teshi	Male	"	It is because it tells
31	"	17	"	Accra	Female	Royal Girls Accra	Rough water causes do not know.
32	"	18	"	"	Male	X'berg Presbyt.	Sometimes the it wild? I do

FORM FOUR RENS' RESPONSES

9

	TYPE OF ANSWER
blows it makes waves for that day.	I A 1
times in the sea when wind blows.	I A 1
the wind blows on that day it makes waves.	I A 1
the wind does not blow.	I A 1
air in the sea begins to make waves.	I A 2
wind blowing on that day.	I A 2
wind which is strong.	I A 2
the wind does not blow too much.	I A 2
wind blowing it.	I A 2
wind which blows on some days & not on some.	I A 1
if wind blows then you have waves.	I A 2
wind blowing it.	III 15
is strong and that makes waves.	I A 2
water is blown by the wind.	I A 2
wind only on some days	I A 1
come on the day the sea is blown	I A 1
full & it makes big waves because of wind.	I A 2
very hard it makes high waves.	III 16
when we have strong wind.	III 16
force in the water. What is that force? Wind.	III 15
& on the day of the wind is make waves.	I A 2
strong, it causes high waves.	I A 2
that day it makes waves but if not then no waves	I A 1
	III 17
	III 17
sea breeze causes waves.	III 16
sea has different depths.	III 16
	III 16
the rain falls at other parts of the world.	III 15
bad days that fishermen should not go to the sea.	I B 8
high waves. What causes rough water? /	
	I B 8 & III 17
sea is quiet & sometimes wild. What makes	III 17
not know.	

PUPILS NO.	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
4	6	16 yrs	Ewe	Oko	Male	Anumle Court	Because it is a
6	"	17	"	Lome	"	"	The ground is
9	"	14	Ga	Accra	Female	"	The ground is
16	"	15	Fanti	Cape Coast	"	"	The ground is
10	"	15	Ga	Accra	"	"	It goes to low
11	"	15	"	"	"	"	The air push
12	"	16	"	"	Male	"	Because the
17	"	14½	"	"	Female	"	Because of some
19	"	17	Ewe	Achimota	"	"	Because there
20	"	16	Ga	Accra	"	"	Because it comes
21	"	16	"	"	"	"	Because it come
22	"	15	Fanti	Cape Coast	"	"	It comes from
23	"	14	Ga	Accra	Male	"	It is flowing from
24	"	15	"	"	Female	"	The ground is not
25	"	17	EWE	Ayaka	Male	"	The water wants
28	"	16	"	Gati	Female	"	Because the
29	"	14	Fanti	Saltpond	Male	"	It is forced to
30	"	16	Ewe	Keta	"	Keta Presbyt.	It is caused by
31	"	17	Ga	Accra	Female	Royal G. Accra	Because it must
32	"	18	"	"	Male	X'borg Presbyt.	All rivers come
5	"	16	Fanti	Cape Coast	"	"	I do not know.
8	"	16	Ga	Accra	"	"	I do not know.
13	"	15	Ewe	Achimota	Female	"	I do not know.
15	"	15	Fanti	Cape Coast	"	"	I do not know.
3	"	15	Ga	Accra	Male	"	Because the
7	"	15	Adangwi	Adafor	"	"	It moves by the
18	"	16	Ga	Accra	Female	"	The wind pushes
1	"	14	"	"	Male	"	Nature makes it so
2	"	16	Ewe	Togo	"	"	It is too many.
14	"	15	Ga	Accra	Female	"	God made it so.
26	"	17	"	Teshi	Male	"	They have a is that spirit?
27	"	15	Ewe	Anumle	"	"	Because it is

RENS RESPONSES

TYPE OF
ANSWER

flowing river from high ground to low one.	1 A 2
slopy.	1 A 1
not flat.	1 A 1
not flat.	1 A 1
side of any land.	1 A 2
it and it comes from high place to low one.	1 A 5 & 1 A
ground is not flat.	1 A 1
parts of the ground are higher than others.	1 A 1
are mountains where it comes & goes to low country.	1 A 1
from a hill.	1 A 1
from a high place & go to a low one.	1 A 1
a high place to a low one.	1 A 1
a mountain to a valley.	1 A 1
level so it flow.	1 A 1
to go down a hill.	1 A 1
ground is not level.	1 A 1
flow because it comes from a mountain.	1 A 1
the slopy country.	1 A 1
go down a hill.	III 15
from hills & they go to low lands.	1 A 2
	III 17
	III 17
	III 17
	III 17
wind blows it.	III 15 & 1 A
force of the wind.	1 A 5
it.	1 A 5
that the people have water to drink.	II C 13 & II C 1
	III 16
	II B 12
spirit which use to move then. What	
God.	II B 12
a flowing stream.	III 15 & 1 B

MIDDLE

PUPILS NO	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD'S
1	7	14 yrs.	Ga	Accra	Male	Anumle Govt	Wind comes
6	"	17	Ewe	Lome	"	"	Wind comes
7	"	15	Adangui	Adafor	"	"	Wind comes
19	"	17	Ewe	Achimota	Female	"	From the sea.
3	"	15	Ga	Accra	Male	"	From the sea.
11	"	15	"	"	Female	"	From the sea.
16	"	15	Fanti	Cape Coast	"	"	From the sea.
4	"	16	Ewe	Oko	Male	"	It comes from
21	"	16	Ga	Accra	Female	"	It comes from
26	"	17	"	Teshi	Male	"	It comes from
8	"	16	"	Accra	"	"	Some come from
25	"	17	Ewe	Ayaka	"	"	It comes from
28	"	16	"	Gati	Female	"	Wind come from
29	"	14	Fanti	Saltpond	Male	"	It come from
30	"	16	Ewe	Keta	"	Keta Presbyt.	They come from
2	"	16	"	Togo	"	Anumle Govt	It come from
14	"	15	Ga	Accra	Female	"	Wind come from
12	"	16	"	"	Male	"	It comes from
5	"	16	Fanti	Cape Coast	"	"	Wind come from
18	"	16	Ga	Accra	Female	"	The wind comes
20	"	16	"	"	"	"	From the north
22	"	16	Fanti	Cape Coast	"	"	From the north
23	"	14	Ga	Accra	Male	"	They come from
9	"	14	"	"	Female	"	From the earth.
13	"	15	Ewe	Achimota	"	"	From the Arabian
15	"	15	Fanti	Cape Coast	"	"	From the Sahara.
24	"	15	Ga	Accra	"	"	They come from
31	"	17	"	"	"	Royal Girls Accra	From the world.
27	"	15	Ewe	Anumle	Male	Anumle Govt	They come from
10	"	15	Ga	Accra	Female	"	From God.
17	"	14½	"	"	"	"	I do not know.
32	"	18	"	"	male	X'borg Presbyt.	It is nature

FORM FOUR

REN'S RESPONSES

TYPES OF ANSWERS

from the sea.	1 B 8
from the sea.	1 B 8
from the sea	1 B 8
	1 B 8
	1 B 8
	1 B 8
	1 B 8
the sea.	1 B 8
the sea.	1 B 8
the sea.	1 B 8
sea and others from land.	1 B 8
the sea and land.	1 B 8
the sea.	1 B 8
the sea.	1 B 8
the sea.	1 B 8
the west.	1 B 8
the north of the world.	1 B 8
the east of the world.	1 B 8
the south of Achimota.	1 B 8
from the south-east.	1 B 8
of Achimota.	1 B 8
of the world.	1 B 8
the south to the north.	1 B 8
	III 8 16
desert.	III 16
desert.	III 16
heaven.	III 16
	III 16
the land	III 16
	II B 12
	II 17
	II C 13

PUPILS' NO	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
3	8	15	Ga	Accra	Male	Anumle Govt.	The breeze
17	"	14½	"	"	Female	"	The wind.
21	"	16	"	"	"	"	The wind.
7	"	15	Adangui	Adakor	Male	"	The wind.
10	"	15	Ga	Accra	Female	"	The wind.
12	"	16	"	"	Male	"	The wind.
9	"	14	"	"	Female	"	By wind.
11	"	15	"	"	"	"	The wind makes it.
16	"	15	Fanti	Cape Coast	"	"	The air or wind.
19	"	17	Ewe	Achimota	"	"	The air
22	"	15	Fanti	Cape Coast	"	"	The wind make it
25	"	17	Ewe	Ayaka	Male	"	Wind
30	"	16	"	Keta	"	Keta Presbyt	Wind
26	"	17	Ga	Teshi	"	Anumle Govt	The wind
29	"	14	Fanti	Saltpond	"	"	The wind
31	"	17	Ga	Accra	Female	Royal Girls Accra	Air
1	"	14	"	"	Male	Anumle Govt	Nature makes clouds.
2	"	16	Ewe	Togo	"	"	I do not know.
5	"	16	Fanti	Cape Coast	"	"	I do not know.
6	"	17	Ewe	Lome	"	"	I do not know.
13	"	15	"	Achimota	Female	"	I do not know.
15	"	15	Fanti	Cape Coast	"	"	I do not know.
23	"	14	Ga	Accra	Male	"	I do not know.
28	"	16	Ewe	Gati	Female	"	I do not know
4	"	16	"	Oko	Male	"	Because the world
8	"	16	Ga	Accra	"	"	The earth. How
14	"	15	"	"	Female	"	The sun and
18	"	16	"	"	"	"	The sun and
20	"	16	"	"	"	"	The sky make
24	"	15	"	"	"	"	The sun.
27	"	15	Ewe	Anumle	Male	"	Because of rain
32	"	18	Ga	Ewe	"	X'berg Presbyt.	The world move

FORM FOUR
RENS' RESPONSES
or wind.

12

TYPE OF
ANSWER

I A I

I A I

I A I

I A I

I A I

I A I

I A I

I A I

I A I

I A I

I A I

I A I

I A I

I A I

I A I

I A I

III C 13

III 17

III 17

III 17

III 17

III 17

III 17

III 17

is turning round that make the clouds to move.
does it do it? I do not know.

III 15

III 16 & III 17

the earth make it.

III 16

the earth.

III 16

it.

III 16

III 16

and what God told them to do.

III 15 & III 17

and so we think that the clouds move.

III 16

MIDDLE

PUPILS NO	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD —
13	9	15	Ewe	Achimota	Female	Anumle Govt.	Because they
16	"	15	Fanti	Cape Coast	"	"	It is light.
17	"	14½	Ga	Accra	"	"	Because the wind
19	"	17	Ewe	Achimota	"	"	Because it is
23	"	14	Ga	Accra	Male	"	I do not know.
25	"	17	Ewe	Ayaka	"	"	Because they
30	"	16	Ewe	Keta	"	Keta Presbyt.	I do not know.
31	"	17	Ga	Accra	Female	Royal Girls Accra	I do not know.
2	"	16	Ewe	Togo	Male	Anumle Govt	I do not know.
5	"	16	Fanti	Cape Coast	"	"	I do not know.
6	"	17	Ewe	Lome	"	"	I do not know.
7	"	15	Adangwi	Adafor	"	"	I do not know.
21	"	16	Ga	Accra	Female	"	I do not know.
22	"	15	Fanti	Cape Coast	"	"	I do not know.
9	"	14	Ga	Accra	"	"	I do not know.
12	"	16	"	"	Male	"	I do not know.
29	"	14	Fanti	Saltpond	Male	"	I do not know.
3	"	15	Ga	Accra	"	"	They hang! On
4	"	16	Ewe	Okro	"	"	I do not know.
24	"	15	Ga	Accra	Female	"	I do not know.
1	"	14	"	"	Male	"	Because there is
8	"	16	"	"	"	"	They hang in
14	"	15	"	"	Female	"	It is nature.
32	"	32	"	"	Male	X'borg Presbyt	It is their own place.
10	"	15	"	"	Female	Anumle Govt	God made them
15	"	15	Fanti	Cape Coast	"	"	God made them.
20	"	16	Ga	Accra	"	"	Because God
27	"	15	Ewe	Anumle	Male	"	It is because the
11	"	15	Ga	Accra	Female	"	God made it
18	"	16	"	"	"	"	Because the
26	"	17	"	Teshi	Male	"	Because if there
28	"	16	Ewe	Gati	Female	"	Because of a

FORM FOUR

RENS' RESPONSES

are like smoke

does not blow. b) It is light
light.

It is too light.

are light. There is where they stay.

Because they are not heavy.

They are light.

what do they hang? I do not know.

Because by God power.

Because God make them to be there.

no air there. Nature make it so.

the air. They are made by nature.

God made them to be there
so.

told them to be there.

air does not blow, it.

so.

world is turning round.

is wind they will keep still.

spirit which keep them there.

TYPE OF ANSWER

~~1A1 & 1A5~~

1A1 & 1A5

1A1

1A1

1A1

1A1 & III 17

1A1

III 17 & 1A1

III 17 & 1A1

II 17

III 17

III 17

III 17

III 17

III 17

III 17

III 17

III 17

III 17

III 17 & II B 12

III 17 & II B 12

III 15 & II C 13

II C 13

II C 13

II B 12

II B 12

II B 12

II B 12

III 15

II B 12

III 15

III 15

III 15

							MIDDLE CHILD —
PUPILS' NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	
5	10	16 yrs	Fanti	Cape Coast	Male	Anumle Govt.	When it contains
7	"	15	Adangme	Adafor	"	"	The air in it
11	"	15	Ga	Accra	Female	"	It is light and
21	"	16	"	"	"	"	The air inside
24	"	15	"	"	"	"	Because air in
27	"	15	Ewe	Anumle	Male	"	Because of the
1	"	14	Ga	Accra	"	"	The air.
2	"	16	Ewe	Togo	"	"	The air.
13	"	15	"	Achimota	Female	"	The air.
15	"	15	Fanti	Cape Coast	"	"	The air.
16	"	15	"	"	"	"	The air.
4	"	16	Ewe	Oko	Male	"	Because of the
3	"	15	Ga	Accra	"	"	Air
8	"	16	"	"	"	"	The air rises
9	"	14	"	"	Female	"	They are not
12	"	16	"	"	Male	"	The wind.
29	"	14	Fanti	Saltpond	"	"	The wind.
17	"	14½	Ga	Accra	Female	"	Because the wind
18	"	16	"	"	"	"	The air.
19	"	17	Ewe	Achimota	"	"	The air.
20	"	16	Ga	Accra	"	"	The air.
25	"	17	Ewe	Ayaka	Male	"	The air.
26	"	17	Ga	Teshi	"	"	The air
10	"	15	"	Accra	Female	"	The air
22	"	15	Fanti	Cape Coast	"	"	The wind carry
23	"	14	Ga	Accra	Male	"	The air force
28	"	16	Ewe	Gati	Female	"	Because the air
30	"	16	"	Keta	Male	Keta Presbyt.	The wind carries
31	"	17	Ga	Accra	Female	Royal Girls Accra	Air pushes them.
32	"	18	"	"	Male	X'borg Presbyt.	The winds
6	"	17	Ewe	Lome	"	Anumle Govt.	I have not seen
							Oh! it is air
14	"	15	Ga	Accra	Female	"	The air make

FORM FOUR RENS' RESPONSES

TYPE OF
ANSWER

air another air takes it up.	A
makes it go up.	A
the air takes it up.	A
and the one out carry it up.	A
it hold it & make it go up.	A
light weight and the air push it up.	A
	A
	A
	A
	A
air inside. What does it do? It makes it light.	A
it up.	A
heavy and air hold it up.	A
	A
blows it up.	A
	A
	A
	A
	A
	A
it up.	A
it to go up.	A
takes it up.	A
it and make it go up.	A
	A
	A
a balloon. Investigator showed one.	it is
which takes it up.	A
move it.	A

MIDDLE CHILD -

PUPILS' NO.	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	
1	11	14 yrs	Ga	Accra	Male	Anumle Govt.	The engine
6	"	17	Ewe	Lome	"	"	The engine
7	"	15	Adangui	Adafor	"	"	The engine
8	"	16	Ga	Accra	"	"	The engine
11	"	15	"	"	Female	"	It has an engine
4	"	16	Ewe	Oko	Male	"	Its proper and
5	"	16	Fanti	Cape Coast	"	"	The power of the
9	"	14	Ga	Accra	Female	"	A special engine
13	"	15	Ewe	Achimota	"	"	A engine.
15	"	15	Fanti	Cape Coast	"	"	The engines.
22	"	15	"	"	"	"	The engines.
25	"	17	Ewe	Ayaka	Male	"	The engines.
23	"	14	Ga	Accra	"	"	The engines
16	"	15	Fanti	Cape Coast	Female	"	The engines and
19	"	17	Ewe	Achimota	"	"	The engines
20	"	16	Ga	Accra	"	"	The engines
17	"	14½	"	"	"	"	Electric engine.
18	"	16	"	"	"	"	The propeller,
21	"	16	"	"	"	"	The engine
24	"	15	"	"	"	"	Because of its
26	"	17	"	Teshi	Male	"	The engine
27	"	15	Ewe	Aflauranle	"	"	The machines
28	"	16	"	Gadi	Female	"	The propeller
29	"	14	Fanti	Saltpond	Male	"	The machine.
31	"	17	Ga	Accra	Female	Royal Girls Accra	Its wings,
32	"	18	"	"	Male	X'borg Presbyt.	Machine and
2	"	16	Ewe	Togo	"	Anumle Govt	The air.
3	"	15	Ga	Accra	"	"	The wind.
10	"	15	"	"	"	"	The air push
30	"	16	Ewe	Keta	"	Keta Presbyt.	It has an
14	"	15	Ga	Accra	Female	Anumle Govt.	The matter
12	"	16	"	"	Male	"	Its wings.

the engine.

engine.

~~takes~~ helps it up.

and the air,

the air.

and the air.

and the air.

air and engine

propeller & wings.

engine, winds and the fan (propeller)

and by the air

hold it not to fall.

and the engine.

engine and air.

air.

it.

engine which holds it & also its propeller.

which it is made takes it up.

1 A 2

1 A 2

1 A 2

1 A 2

1 A 2

1 A 2

1 A 2

1 A 2

1 A 2

1 A 2

1 A 2

1 A 2

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1 A 2

							MIDDLE CHILD —
PUPILS' NO.	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	
1	12	14 yrs	Ga	Accra	Male	Anumale Coast	The telephone works
3	"	15	"	"	"	"	It works by collecting
4	"	16	Ewe	Oko	"	"	By ring someone.
5	"	16	Fanti	Cape Coast	"	"	A phone works by
6	"	17	Ewe	Lome	"	"	I can't tell.
7	"	15	Adangni	Adafor	"	"	I do not know.
8	"	16	Ga	Accra	"	"	The words passes
9	"	14	"	"	Female	"	Electric light makes
10	"	15	"	"	"	"	Electric.
11	"	15	"	"	"	"	It works by wire
12	"	16	"	"	Male	"	Through the wires.
13	"	15	Ewe	Achimota	Female	"	By means of wire
14	"	15	Ga	Accra	"	"	By wire. Human beings
15	"	15	Fanti	Cape Coast	"	"	It works by sending
16	"	15	"	"	"	"	By means of air through
18	"	16	Ga	Accra	"	"	By sending message
19	"	17	Ewe	Achimota	"	"	I do not know.
20	"	16	Ga	Accra	"	"	I do not know.
22	"	15	Fanti	Cape Coast	"	"	I do not know.
23	"	14	Ga	Accra	Male	"	It works by ring will tell you to talk to
24	"	15	"	"	Female	"	It works through
25	"	17	Ewe	Ayaka	Male	"	It rings. Electricity
26	"	17	Ga	Teshi	"	"	We speak in the
27	"	15	Ewe	Anumale	"	"	It works by wires
28	"	16	"	Gati	Female	"	The poles and wires.
30	"	16	"	Keta	Male	Keta Presbyt.	The wind carry the wire by
32	"	18	Ga	Accra	"	X'borg Presbyt.	It works through
31	"	17	"	"	Female	Royal Girls Accra	I do not know.
2	"	16	Ewe	Togo	Male	Anumale Coast	I do not know.
21	"	16	Ga	Accra	Female	"	I do not know.
17	"	14½	"	"	"	"	The wires catch

FORM FOUR: RENS' RESPONSES

TYPE OF ANSWERS

by telling other people something. Electric.	1 A 1
the sound in the air. Electric.	1 A 1
It works by the engines of the electric.	1 A 1
telling people far to know what happens. Electric.	1 A 1
Electric.	III 17 & 1 A 1
By electric power.	III 17 & 1 A 1
through the wires. Electric.	1 A 1
it.	1 A 1
	1 A 1
and electricity.	1 A 1
The electric.	1 A 1
Electric.	1 A 1
helped by electricity	1 A 1 & 1 B 7
message. Electric.	1 A 1
wires. Electric.	1 A 1
through wires. Electricity.	1 A 1
The electric.	III 17 & 1 A 1
The electric.	III 17 & 1 A 1
The electric.	III 17 & 1 A 1
at the exchange station and the operator	
your friend. (b) The wire, engine & electricity.	1 A 1
wire. Engine	1 A 1
	1 A 1
phone. Electric.	1 A 1
Some electric make it work.	1 A 1
The engines & electric	1 A 1
the words of one man to another on	
electric power.	1 A 1
the wires. Electric machine.	1 A 1
	III 17
	III 17
	III 17
the sound. The wires.	1 A 2

PUPILS' NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	13	14	Ga	Accra	Male	Anumle Coast	Because the
8	"	16	"	"	"	"	Because the
24	"	15	"	"	Female	"	Because the
3	"	15	"	"	Male	"	The earth is
							that turn away
4	"	16	Ewe	Okro	"	"	The world go
5	"	16	Fanti	Cape Coast	"	"	Night comes
7	"	15	Adangui	Adafor	"	"	Because the
32	"	18	Ga	Accra	"	X'borg Presbyt.	Because the
15	"	15	Fanti	Cape Coast	Female	Anumle Coast	Because the
16	"	15	"	"	"	"	The world
19	"	17	Ewe	Achimota	"	"	Because the
17	"	14½	Ga	Accra	"	"	Because the
21	"	16	"	"	"	"	The world
22	"	15	Fanti	Cape Coast	"	"	The earth move
25	"	17	Ewe	Ayaka	Male	"	Because the
28	"	16	"	Gati	Female	"	Because the
29	"	14	Fanti	Salt pond	Male	"	When the sun is over
31	"	17	Ga	Accra	Female	Royal Girls Accra	Because the world
11	"	15	"	"	"	Anumle Coast	I do not know.
2	"	16	Ewe	Togo	Male	"	I do not know.
6	"	17	"	Lome	"	"	I do not know.
9	"	14	Ga	Accra	Female	"	I do not know.
18	"	16	"	"	"	"	I do not know.
26	"	17	"	Teshi	Male	"	I do not know.
10	"	15	"	Accra	Female	"	God made days
14	"	15	"	"	"	"	It was made by
20	"	16	"	"	"	"	God made it
27	"	16	Ewe	Anumle	Male	"	The clouds
12	"	16	Ga	Accra	"	"	It is due to clouds.
13	"	15	Ewe	Achimota	Female	"	When the sun
23	"	14	Ga	Accra	Male	"	When the sun set.
30	"	16	Ewe	Keta	"	Keta Presbyt.	Night come so

Form FOUR REN'S' RESPONSES

	TYPE OF ANSWER
world goes round.	IAI
world goes round.	IAI
world goes round	IAI
moving and the place that we are living from the sun, it makes night.	IAI
round and take us away from sun.	IAI
because the world is moving round.	IAI
world is going round.	IAI
world is going round.	IAI
world moves round.	IAI
rotates . Because the earth is moving round.	IAI
earth is moving round.	IAI
world moves round.	IAI
rotates .	IAI
round.	IAI
earth turns round every day.	IAI
world is moving.	IAI
on the other side of the earth, when it turn round.	IA3
moves round.	IAI
	III 17
	III 17
	III 17
	III 17
	III 17
	III 17
and night.	II B 12
God.	II B 12
so	II B 12
& God make night.	II B 12
	III 16
is over the equator	III 16
What makes it set? The world moves round.	IAI
that people can sleep and rest.	I B 8

PUPILS' NO	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	14	14	Ga	Accra	Male	Anumle Coast	We sow the
2	"	16	Ewe	Togo	"	"	We plant seeds.
3	"	15	Ga	Accra	"	"	We plant seeds.
5	"	15	Fanti	Cape Coast	"	"	We plant seeds.
13	"	15	Ewe	Achimota	Female	"	We plant seeds.
4	"	16	"	Oko	Male	"	If you plant a
6	"	17	"	Lorne	"	"	We sow the
7	"	15	Adangui	Adafor	"	"	We sow seeds.
12	"	16	Ga	Accra	"	"	We sow seeds.
19	"	17	Ewe	Achimota	Female	"	We sow seeds.
8	"	16	Ga	Accra	Male	"	We plant their
9	"	14	"	"	Female	"	We plant seeds
11	"	15	"	"	"	"	We plant
15	"	15	Fanti	Cape Coast	"	"	We plant
17	"	14½	Ga	Accra	"	"	We plant
14	"	15	"	"	"	"	They are
16	"	15	Fanti	Cape Coast	"	"	The seeds
18	"	16	Ga	Accra	"	"	You will
20	"	16	"	"	"	"	You plant
21	"	16	"	"	"	"	You plant
22	"	15	Fanti	Cape Coast	"	"	I will sow
23	"	14	Ga	Accra	Male	"	We sow its
							dig a hole
24	"	15	"	"	Female	"	We plant the
25	"	17	Ewe	Ayaka	Male	"	Plant seeds.
26	"	17	Ga	Teshi	"	"	We use to
27	"	16	Ewe	Anumle	"	"	We plant
							and put it
28	"	16	Ewe	Gati	Female	"	We sow their
29	"	14	Fanti	Saltpond	Male	"	By sowing seeds.
30	"	16	Ewe	Keta	"	Keta Presby.	We plant the
31	"	17	Ga	Accra	Female	Royal Girls Assoc	You will sow
10	"	15	"	"	"	Anumle Coast	You will sow
32	"	18	"	"	Male	Xiborg Presby.	We plant

FORM FOUR RESPONSES

18

seed and plant also branches.

TYPE OF
ANSWER

1 A 1

1 A 1

1 A 1

1 A 1

1 A 1

seed. You also cut branches and plant
seed when it is small.

1 A 1

1 A 1

1 A 1

1 A 1

1 A 1

seeds.

1 A 1

and by cuttings.

1 A 1

the seeds

1 A 1

the seeds

1 A 1

the seeds

1 A 1

planted as seeds.

1 A 1

are planted.

1 A 1

plant seeds

1 A 1

the seeds.

1 A 1

seeds or branches.

1 A 1

seeds and branches like cassava.

1 A 1

seeds and cut some of the plant &

in the ground & water every day.

1 A 1

seeds.

1 A 1

Sometimes we plant its branches.

1 A 1

plant seeds

1 A 1

seeds and get a piece of that plant
in the ground.

1 A 1

seeds.

1 A 1

1 A 1

seeds.

1 A 1

seeds.

1 A 1

seeds.

1 A 1

seeds and some cuttings.

1 A 1

PUPILS' NO	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD
1	15	14 yrs	Ga	Accra	Male	Anumale Court	The root fetch
2	"	16	Ewe	Togo	"	"	It bring the food
3	"	15	Ga	Accra	"	"	It keeps the tree
4	"	16	Ewe	Okro	"	"	They fetch food
5	"	15	Fanti	Saltpond	"	"	It fetch food. It
6	"	17	Ewe	Lome	"	"	The root finds
7	"	15	Adangwe	Adafor	"	"	It keeps the
8	"	16	Ga	Accra	"	"	They find food for
9	"	14	"	"	Female	"	They draw food
10	"	15	"	"	"	"	They give plant
11	"	15	"	"	"	"	It give them food
12	"	16	"	"	Male	"	It give the plant
13	"	15	Ewe	Achimota	Female	"	It suck plant
14	"	15	Ga	Accra	"	"	It suck food
15	"	15	Fant	Cape Coast	"	"	It hold the
16	"	15	"	"	"	"	They get the
17	"	14½	Ga	Accra	"	"	They suck water
18	"	16	"	"	"	"	They suck water
19	"	17	Ewe	Achimota	"	"	They absorb
20	"	16	Ga	Accra	"	"	It holds the
21	"	16	"	"	"	"	It gives the
22	"	15	Fanti	Cape Coast	"	"	The roots bring
23	"	14	Ga	Accra	Male	"	They suck water
24	"	15	"	"	Female	"	They bring food to
25	"	17	Ewe	Ayaka	Male	"	They supply
26	"	17	Ga	Teshi	"	"	They take food
27	"	16	Ewe	Anumale	"	"	They use to
28	"	16	"	Coti	Female	"	They collect
29	"	14	Fanti	Saltpond	Male	"	They fetch food.
30	"	16	Ewe	Keta	"	Keta Presbyt.	The roots get
31	"	17	Ga	Accra	Female	Royal Girls' Hse.	Roots help plants
32	"	18	"	"	Male	X'borg Presby.	It hold the

FORM FOUR PUPILS' RESPONSES

19

	TYPE OF ANSWER
food. It hold the tree.	1A1
from the ground. It also help the tree not to fall	1A1
from falling. It finds food.	1A1
for the plant.	1A1
prevent it from falling.	1A1
food for the plant and make it stand.	1A1
plant to stand still & draws water from the ground.	1A1
the plant and make it stand still.	1A1
and water.	1A1
food.	1A1
from the soil.	1A1
food	1A1
food for the plant.	1A1
for the plant.	1A1
plant and give it food.	1A1
food from the plant soil.	1A1
and food for the plant	1A1
and food for the plant	1A1
plant food from the ground.	1A1
plant and gives it food.	1A1
plant food and keeps it firm.	1A1
food from the ground.	1A1
in the ground & hold the plant.	1A1
the tree & hold the plant.	1A1
food and make the tree stand firm.	1A1
from the ground. They keep the plant firm.	1A1
draw food from the ground.	1A1
water from the ground.	1A1
	1A1
food form the plant in water form.	1A1
to grow by giving it food.	1A1
tree and find food.	1A1

PUPILS NO	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD
4	16	16yrs	Ewe	Oko	Male	Anumile Govt	They make the seeds.
8	"	16	Ga	Accra	"	"	I do not know.
21	"	16	"	"	Female	"	It makes seeds.
11	"	15	"	"	"	"	Flowers form
13	"	15	Ewe	Achimota	"	"	It makes the school
16	"	15	Fanti	Cape Coast	"	"	It makes seeds
18	"	16	Ga	Accra	"	"	They make our houses
19	"	17	Ewe	Achimota	"	"	The flowers turn
22	"	15	Fanti	Cape Coast	"	"	It begins from a
15	"	15	"	"	"	"	It begins from a
23	"	14	Ga	Accra	Male	"	Flowers are a
24	"	15	"	"	Female	"	The tree produce
25	"	17	Ewe	Agaka	"	"	They are to give
26	"	17	Ga	Teshi	Male	"	They sometimes
28	"	16	Ewe	Gati	Female	"	We use them for our
30	"	16	"	Keta	Male	Keta Presbyt	They show beauty
32	"	18	Ga	Accra	"	Agaka ^{X'boq.}	It make the tree cannot
17	"	14½	"	"	Female	Anumile Govt.	They make our
1	"	14	"	"	Male	"	It is food for
3	"	15	"	"	"	"	They cook food
5	"	15	Fanti	Cape Coast	"	"	Flowers are
6	"	17	Ewe	Lome	"	"	For dressing
7	"	15	Adangwi	Adafor	"	"	They are
12	"	16	Ga	Accra	"	"	It is for
14	"	15	"	"	Female	"	It makes our
20	"	16	"	"	"	"	It makes the
27	"	16	Ewe	Anumile	Male	"	It has good
29	"	17	Fanti	Saltpond	Female	"	Flowers show
31	"	17	Ga	Accra	"	Royal Girls Accra.	To beautify the
2	"	16	Ewe	Togo	Male	Anumile Govt.	I do not know.
9	"	14	Ga	Accra	Female	"	It makes the
10	"	15	"	"	"	"	I do not know.

FORM FOUR RENS' RESPONSES

20

TYPE OF
ANSWER

	I A I
They make seeds.	III 17 & I A I
	I A I
fruits.	I A I
beautiful. It produces fruits	I B 8 & I A I
	I A I
beautiful. They make the seeds.	I A I
into a seed.	II C 14 & I A I
seed.	I A I
seed.	I A I
part of a plant where we find seeds.	I A I
flowers before seeds	I A I
beauty to man. It bear seed.	II B 14 & I A I
form seeds.	I A I
rooms. It also produce seeds.	II C 14 & I A I
of flowers plants. They change to seeds.	I B 8 & I A I
beautiful. If there is no flower the tree	
produce fruits.	I B 8 & I A I
homes neat. They form seeds.	II C 14 & I A I
birds. It make the tree beautiful.	I B 6
for the plant.	III 16
for butter-flies.	I B 6
the world.	I B 8
beautiful to look at.	I B 8
medicine.	III 16
houses beautiful & cook food.	II C 14
plant nice.	I B 8
small. It makes the plants beautiful.	I B 8
the beauty of plants.	I B 8
house. I do not know.	II B 14 & III 17
	III 17
plant beautiful.	I B 8
	III 17

PUPILS NO	QUEST.	AGE	Tribe	TOWN	SEX	SCHOOL	MIDDLE CHILD
1	17	14	Ga	Accra	Male	Anumle Court	The tree begin
2	"	16	Ewe	Togo	"	"	It begins
3	"	15	Ga	Accra	"	"	A tree begins
5	"	15	Fanti	Cape Coast	"	"	When you sow
7	"	15	Adangui	Adafor	"	"	When you sow
8	"	16	Ga	Accra	"	"	It begins from
11	"	15	"	"	Female	"	It begins from
13	"	16	Ewe	Achimota	"	"	It begin from
15	"	15	Fanti	Cape Coast	"	"	It begin from
21	"	16	Ga	Accra	"	"	It begin from
22	"	15	Fanti	Cape Coast	"	"	It begin from
9	"	14	Ga	Accra	"	"	By planting
10	"	15	"	"	"	"	By the seeds.
12	"	16	"	"	"	"	If you sow
14	"	15	"	"	"	"	It begin from
16	"	15	Fanti	Cape Coast	"	"	If you plant
17	"	14½	Ga	Accra	"	"	When you plant
18	"	16	"	"	"	"	If you plant
19	"	17	Ewe	Achimota	"	"	From the seed.
23	"	14	Ga	Accra	Male	"	It begins from
24	"	15	"	"	Female	"	It begins from
25	"	17	Ewe	Ayaka	Male	"	By sowing a
26	"	17	Ga	Teshi	"	"	You sow a
27	"	16	Ewe	Anumle	"	"	It begins by
28	"	16	"	Gati	Female	"	The seed put
29	"	14	Fanti	Saltpond	Male	"	It begins from
30	"	16	Ewe	Keta	"	Keta Presbyt.	It begins from branches as
32	"	18	Ga	Accra	"	X'borg Presbyt.	If you plant
31	"	17	"	"	Female	Royal Girls Accra	Seeds grow
4	"	16	Ewe	Oko	Male	Anumle Court	It begins by
6	"	17	"	Lome	"	"	I can't tell
20	"	16	Ga	Accra	"	"	I do not know

FORM FOUR RENS' RESPONSES

21

TYPE OF
ANSWERS

by sowing a seed.	1 A 1
when it gets water when you plant a seed.	1 A 1
from a seed.	1 A 1
a seed it germinates till it becomes a tree.	1 A 1
a seed it begins	1 A 1
a seed.	1 A 1
the seed.	1 A 1
the seeds.	1 A 1
the seeds.	1 A 1
the seeds	1 A 1
the seeds.	1 A 1
the seeds.	1 A 1
seed it begins.	1 A 1
the small seed.	1 A 1
a seed the seed turn into a plant.	1 A 1
a seed in the ground it grows.	1 A 1
a seed it be grow small, small.	1 A 1
seed.	1 A 1
sowing its seeds.	1 A 1
seed or by cutting.	1 A 1
seed.	1 A 1
planting seeds	1 A 1
in the soil or ground it germinates.	1 A 1
planting seeds	1 A 1
seed and some also grow from	#
cassava.	1 A 1
seeds and cuttings and water them.	1 A 1
from the ground and a tree begins.	1 A 1
planting the seeds & branches like cassava.	1 A 1

111 17

111 17

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	18	14	Gra	Accra	Male	Anumle Coast	A heart pumps. †
2	"	16	Ewe	Togo	"	"	It pumps blood.
7	"	15	Adangui	Adafor	"	"	It pumps blood.
13	"	15	Ewe	Achimota	Female	"	It pumps blood.
15	"	15	Fanti	Cape Coast	"	"	It pumps blood.
16	"	15	"	"	"	"	It pumps blood.
21	"	16	Ga	Accra	"	"	It pumps blood.
3	"	15	"	"	Male	"	It prepare or
4	"	16	Ewe	Okro	"	"	It spreads
5	"	15	Fanti	Cape Coast	"	"	It pumps blood
8	"	16	Ga	Accra	"	"	It pumps blood
6	"	16	Ewe	Lome	"	"	My heart
10	"	15	Fanti	Cape Coast	Female	"	Blood. What
11	"	15	Ga	Accra	"	"	The heart
14	"	15	"	"	"	"	It makes blood
17	"	14½	"	"	"	"	It pushes
18	"	16	"	"	"	"	It gives you
19	"	17	Ewe	Achimota	"	"	My heart
22	"	15	Fanti	Cape Coast	"	"	It pumps blood
23	"	14	Ga Ewe	Accra Achimota	Male	"	It pumps blood
24	"	15	"	"	Female	"	It pumps blood
25	"	17	Ewe	Ayaka	Male	"	It pumps blood
26	"	17	Ga	Accra	"	"	It pumps blood
27	"	16	Ewe	Anumle	"	"	It gives me
28	"	16	"	Gati	Female	"	It looks after
29	"	14	Fanti	Satpound	Male	"	It spreads out
30	"	16	Ewe	Keta	"	Keta Presbyt	It makes blood
32	"	18	Ga	Accra	"	X'borg	It spread
31	"	17	"	"	Female	Royal Girls Accra	It gives me
9	"	14	"	"	"	Anumle Coast	It helps the
12	"	16	"	"	Male	"	I do not know
20	"	16	"	"	"	"	I do not know

FORM: FOUR
 RENS' RESPONSES

22

TYPE OF
 ANSWER

blood.

IAI

IAI

IAI

IAI

IAI

IAI

IAI

pump blood for my body.

IAI

the blood in our body by beating
 to my body.

IAI

to my body.

IAI

pumps the blood.

IAI

happens with it? The heart sent it to all place.

IAI

pumps blood.

IAI

to move.

IAI

blood in the body.

IAI

blood.

IAI

pumps blood.

IAI

inside my body.

IAI

into our body.

IAI

in the various parts of the body.

IAI

to the body.

IAI

to the body.

IAI

air & blood.

IAI

my blood & pumps the blood.

IAI

blood.

IAI

flow to all parts of the body

IAI

blood to my body.

IAI

life.

IA2

blood body to breathe.

III 16

III 17

III 17

PART II

MIDDLE

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD
3	1	15	Ga	Accra	Male	Anumle Coast	I move it up and
21	"	16	"	"	Female	"	It move up and
22	"	15	Fanti	Cape Coast	Male	"	It moves quickly
24	"	15	"	"	Female	"	It moves up & down
28	"	16	Ewe	Gati	"	"	It bends. My
30	"	16	"	Ketate	Male	Keta Presbyt.	The blood, veins
1	"	14	Ga	Accra	"	Anumle Coast	It moves up
4	"	16	Ewe	Oko	"	"	It moves up &
6	"	17	"	Lome	"	"	It moves like
23	"	14	Ga	Accra	Female	"	It moves up and
9	"	14	"	"	"	"	By moving it up
11	"	15	"	"	"	"	It move like a
12	"	16	"	"	Male	"	It goes up and
15	"	15	Fanti	Cape Coast	Female	"	I move it up
16	"	15	"	"	"	"	It moves up
17	"	14½	Ga	Accra	"	"	It moves up and
19	"	17	Ewe	Achimota	"	"	It moves up and
20	"	16	Ga	Accra	"	"	It moves up and
26	"	17	"	Teshi	Male	"	It moves up and
25	"	17	Ewe	Ayaka	"	"	By the power of
29	"	14	Fanti	Salt pond	Female	"	It goes up and
2	"	16	Ewe	Togo	Male	"	Because of the
5	"	15	Fanti	Cape Coast	"	"	It moves twice
7	"	15	Adangni	Adafor	"	"	I move it. Certain
27	"	15	Ewe	Anumle	Female	"	By bending. Because
18	"	16	Ga	Accra	"	"	The bones
31	"	17	"	"	"	Royal Girls Accra	Strength.
32	"	18	"	"	Male	X'borg Presbyt.	Blood.
8	"	16	"	"	"	Anumle Coast	I do not know.
5	"	15	Fanti	Cape Coast	"	"	It moves twice power in the
10	"	15	"	"	Female	"	I do not know.
13	"	15	Ewe	Achimota	"	"	It move up
14	"	15	Ga	Accra	"	"	It move up

FORM FOUR RENS' RESPONSES

23

TYPE OF
ANSWER

down. The joints and the flesh.	I B 7 & I A 2
down. The bone and muscles.	I A 1
The blood and muscles.	I A 2
The muscles and the heart.	I A 2
strength or power make it move.	I B 7
and bones.	I A 2
and down. The veins.	III 16
down. Because of the veins.	III 16
a watch. The blood and the veins.	I A 5 & III 16
down. The bone & muscle and strength.	I A 1
and down. The veins.	III 16
elastic. The veins.	III 16
down. The veins	III 16
and down. The veins.	I B 7 & III 16
and down. The veins.	III 16
down. The veins.	III 16
down. The veins.	III 16
down. The veins.	III 16
down. The veins.	III 16
the veins.	III 16
down. By my veins.	III 16
power in me.	I B 7
in the joints. It is the power in the body.	III 16
string in it move it	I B 7 & III 16
of the power I am using.	I B 7
make it move.	I A 2
	I A 2
	I A 2
The blood.	III 17
in the joints. It moves by the	
body.	I B 7 & III 16
	III 17
and down. I do not know.	I A 2 & III 17
and down. I do not know.	I A 2 & III 17

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD
1	2	14	Ga	Accra	Male	Anumale Coast	Because
24	"	15	"	"	Female	"	Because
26	"	17	"	Teshi	Male	"	Because
2	"	16	Ewe	Togo	"	"	Blood
11	"	15	Ga	Accra	Female	"	Blood.
14	"	15	"	# "	"	"	Blood.
15	"	15	Fanti	Cape Coast	"	"	Blood.
16	"	15	"	"	"	"	Blood.
18	"	16	Ga	Accra	"	"	Blood.
20	"	16	"	"	"	"	Blood.
21	"	16	"	"	"	"	Blood.
22	"	15	Fanti	Cape Coast	"	"	Blood.
27	"	15	Ewe	Anumale	Male	"	Blood.
19	"	17	"	Achimota	Female	"	Blood.
25	"	17	"	Ayaka	Male	"	The blood.
3	"	15	Ga	Accra	"	"	The blood.
8	"	16	"	"	"	"	The blood.
10	"	15	"	"	Female	"	The blood.
12	"	16	"	"	Male	"	The blood.
28	"	16	"	"	Female	"	The blood.
29	"	14	Fanti	Sattpond	Male	"	The blood.
4	"	16	Ewe	OkO	"	"	The blood
5	"	16	Fanti	Cape Coast	"	"	The blood
6	"	17	Ewe	Lome	"	"	The blood
13	"	15	"	Achimota	Female	"	It is
17	"	14½	Ga	Accra	"	"	It is
23	"	14	"	"	Male	"	The blood
30	"	16	Ewe	Keta	"	Keta Presbyt.	The blood
31	"	17	Ga	Accra	Female	Royal Girls Accra	Because Blood
32	"	18	"	"	Male	X'borg Presby	Because the
7	"	15	Adangwi	AdafO	"	Anumale Coast	Because of
9	"	14	Ga	Accra	Female	"	The light

RENS' RESPONSES

TYPE OF ANSWER

of blood.

| A |

of blood.

| A |

of blood

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

* 15 | A |

III 15

III 16

makes it.

comes through the light.

because of the light

blood.

blood

makes it red.

in the hand makes it red.

make it.

blood is red.

light.

PART II

MIDDLE

PUPILS NO	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD'S
1	3	14	Ga	Accra	Male	Anumle Govt.	The water
2	"	16	Ewe	Togo	"	"	The water
3	"	15	Ga	Accra	"	"	The water
4	"	16	Ewe	Okro	"	"	The water
6	"	17	"	Kome	"	"	It will
9	"	14	Ga	Accra	Female	"	It will
10	"	15	"	"	"	"	It will
5	"	16	Fanti	"	Male	"	The water
7	"	15	Adangui	Adafor	"	"	The water
8	"	16	Ga	Accra	"	"	It will
11	"	15	"	"	Female	"	It will
12	"	16	"	"	male	"	It will
13	"	15	Ewe	Achimota	Female	"	It will
14	"	15	Ga	Accra	"	"	It will
15	"	15	Fanti	Cape Coast	"	"	It will
16	"	15	"	"	"	"	It will fall.
17	"	14½	Ga	Accra	"	"	The water
18	"	16	"	"	"	"	The water
19	"	17	Ewe	Achimota	"	"	The water
20	"	16	Ga	Accra	"	"	It will
21	"	16	"	"	"	"	It will
22	"	15	Fanti	Cape Coast	"	"	Some water
23	"	14	Ga	Accra	Male	"	The water
24	"	15	"	"	Female	"	The water
25	"	17	Ewe	Ayaka	Male	"	The water
26	"	17	Ga	Accra	Male	"	It will
27	"	15	Ewe	Anumle	"	"	It will
28	"	16	"	Gati	"	"	It will
29	"	14	Fanti	Saltpond	"	"	It will
30	"	16	Ewe	Keta	"	Keta Presbyt.	The water
31	"	17	Ga	Accra	Female	Royal Girls School	The water
32	"	18	"	"	Male	X'borg Presbyt.	It will

REN'S RESPONSES

TYPE OF
ANSWER

will come up.	A
will come up.	A
will ^{fall} come up.	A
will fall It will come up.	A
come up.	A
come up.	A
come up.	A
will rise up.	A
will rise up.	A
flow.	A
come up and come down.	A
flow down	A
over flown	A
come up & fall down.	A
rise up and fall down	A
will fall.	A
will come out.	A
will flow up.	A
fall.	A
pour down.	A
will fall.	A
will come up.	A
will come up.	A
will come up.	A
fall down.	A
flow down.	A
flow down.	A
come down.	A
will fall down.	A
will ^{fall} over	A
fall down.	A

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD
1	4	14	Ga	Accra	Male	Anumle Coast	It will flow
3	"	15	"	"	"	"	Because the
4	"	16	Ewe	Oko	"	"	Because it
5	"	16	Fanti	Cape Coast	"	"	Because the
10	"	15	Ga	Accra	Female	"	Because the
6	"	17	Ewe	Lome	Male	"	Because it is
8	"	16	Ga	Accra	"	"	The heavy
9	"	14	"	"	Female	"	It is heavy.
11	"	15	"	"	"	"	The thing is
12	"	16	"	"	Male	"	Because the
13	"	15	Ewe	Achimota	Female	"	The stick is
15	"	15	Fanti	Cape Coast	"	"	The stick is
14	"	15	Ga	Accra	"	"	The wood is
16	"	15	Fanti	Cape Coast	"	"	Because the
17	"	14½	Ga	Accra	"	"	Because the
18	"	16	"	"	"	"	It is heavy
19	"	17	Ewe	Achimota	"	"	The stick
20	"	16	Ga	Accra	"	"	Because of
21	"	16	"	"	"	"	The stick in
22	"	15	Fanti	Cape Coast	"	"	The thing you
23	"	14	Ga	Accra	Male	"	Because the
24	"	15	"	"	Female	"	Because the
25	"	17	Ewe	Ayaka	Male	"	Because the
26	"	17	Ga	Teshi	"	"	Because the
27	"	15	Ewe	Anumle	"	"	Because the thing
28	"	16	"	Gati	Female	"	The thing is
29	"	14	Fanti	Saltpond	Male	"	Because the
30	"	16	Ewe	Keta	"	Keta Presbyt	Because the
31	"	17	Ga	Accra	Female	Royal Girls Accra	It is heavy and
32	"	18	"	"	Male	X'borg Presby.	Because the
2	"	16	Ewe	Togo	"	Anumle Coast	Because it is
7	"	15	Adangvi	Adafor	"	"	I do not

REN'S' RESPONSES

TYPE OF ANSWER

because of the weight you put in.

I A 1 & I A 4

thing is heavy.

I A 2

has got weight.

I A 2

wood is heavy.

I A 2

wood is heavy.

I A 2

heavy.

I A 2

wood push the water up.

I A 2 1

I A 2

heavy.

I A 2

pebble press the water up.

I A 1

heavy.

I A 2

heavy.

I A 2

heavy.

I A 2

pebble is heavy.

I A 2

wood has weight.

I A 2

than water.

I A 1

has occupied the place of water.

I A 1

it weight.

I A 2

it is heavy and it take the water up.

I A 1

put in is heavy & it push water up.

I A 2 1

thing take the place of water.

I A 1

pebble has taken ~~the~~ some space.

I A 1

thing is heavy.

I A 2

thing is heavy and make water full.

I A 1

has some weight & the weight ^{push the} ~~has~~ some water.

I A 1

heavy.

I A 2

stick you put in has occupied space.

I A 1

pebble has occupied the place of water.

I A 1

take water up.

I A 1

pebble is heavy.

I A 2

full.

II 15

know.

III 17

PART II

MIDDLE

PUPILS NO.	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD
1	5	14	Ga	Accra	Male	Anumale Court	It will come to
2	"	16	Ewe	Togo	"	"	It will come up
3	"	15	Ga	Accra	"	"	It will come up
4	"	16	Ewe	Oko	"	"	It will come to
5	"	16	Fanti	Cape Coast	"	"	The water will
6	"	17	Ewe	Kome	"	"	The water will
7	"	15	Adangui	Adasfor	"	"	The water will
8	"	16	Ga	Accra	"	"	It will come up.
9	"	14	"	"	Female	"	It will go to the
10	"	15	"	"	"	"	The water will
11	"	15	"	"	"	"	It will come to
12	"	16	"	"	Male	"	It will come up.
13	"	15	Ewe	Achimota	Female	"	It will come to
14	"	15	Ga	Accra	"	"	It will come to
15	"	15	Fanti	Cape Coast	"	"	It will come to
16	"	15	"	"	"	"	It will come to
17	"	14½	Ga	Accra	"	"	It will come to
18	"	16	"	"	"	"	It will come to
19	"	17	Ewe	Achimota	"	"	It will flow
20	"	16	Ga	Accra	"	"	It will come
21	"	16	"	"	"	"	It will come to
22	"	15	Ewe	Achimota	"	"	It will fill the
23	"	14	Ga	Accra	Male	"	The water will
24	"	15	"	"	Female	"	The water will water can go
26	"	17	"	Teshi	Male	"	The water will
25	"	17	Ewe	Ayakea	"	"	The water will
27	"	15	"	Anumale	"	"	It will come to
28	"	16	"	Crati	Female	"	It will come here.
29	"	14	Fanti	Cape Coast	Male	"	It will come to
30	"	16	Ewe	Ketu	Female	"	} The investigator when these
31	"	17	Ga	Accra	Female	"	
32	"	18	"	"	Male	"	

RENS' RESPONSES

TYPE OF
ANSWER

this end. Because it is U shaped.	A
here. Because the thing is round	A
here. It has a round end like U.	A
this ^{part} part . It has a U shap.	A
come up. Because it is round at the bottom.	A
go round. It has a hole.	A
come up. Because it is round at the bottom.	A
Because the bottom is round.	A
other side. The bottom is U shape.	A
come to the other side. It's round at the bottom.	A
the other side. It is U shape.	A
Because the thing is round.	A
this side. Because ^{the} thing is round.	A
this side. It is like a U.	A
this side. It is round at the bottom.	A
this other side. It is round at the bottom.	A
the other side end. It is round.	A
this end. It is round at the bottom	A
up. It is like U.	A
up It is U shape.	A
this side. The bottom is round.	A
two ends points. It is round down here.	A
fill come to this end. It has a round bottom.	A
fill the two ends. It is like U so	A
round.	A
come to this side. It is round.	A
come to this side. Because it has a round bottom.	A
this side. It is round here.	A
It is like U at the bottom.	A
this side. It has a round bottom.	A

had no 'U' shaped tube
pupils were interviewed.

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD —
1	6	14	Ga	Accra	Male	Anumle Coast	Because the
2	"	16	Ewe	Togo	"	"	Because it
3	"	15	Ga	Accra	"	"	Air is in
4	"	16	Ewe	Okro	"	"	The air does
5	"	16	Fanti	Cape Coast	"	"	Because
7	"	15	Adangui	Adafor	"	"	There is air
9	"	14	Ga	Accra	Female	"	Air is in
10	"	15	"	"	"	"	Air is in
13	"	15	Ewe	Achimota	"	"	There is air
14	"	15	Ga	Accra	"	"	Air is in
15	"	15	Fanti	Cape Coast	"	"	Air is in
16	"	15	"	"	"	"	Air is in
17	"	14½	Ga	Accra	"	"	Air is in
18	"	16	"	"	"	"	Air is in
19	"	17	Ewe	Achimota	"	"	Air is in
20	"	16	Ga	Accra	"	"	There is air
21	"	16	"	"	"	"	There is air
22	"	15	Fanti	C. Coast	"	"	The air is
23	"	14	Ga	Accra	Male	"	Air inside
24	"	15	"	"	Female	"	Because of
25	"	17	Ewe	Anumle	Male	"	There is
26	"	17	Ga	Teshi	"	"	Air is in it.
27	"	15	Ewe	Anumle	"	"	It has air
28	"	16	"	Cati	Female	"	It has air
29	"	14	Fanti	Saltpond	"	"	Air is in
6	"	17	Ewe	Home	Male	"	Because it
8	"	16	Ga	Accra	"	"	Because it
11	"	15	"	"	Female	"	It has no
12	"	16	"	"	Male	"	Because air

RENS' RESPONSES.

TYPE OF
ANSWERS

air does not go out.

| A |

has air in it

| A |

it.

| A |

not allow water in it.

| A |

air is at the other end.

| A |

in the thing.

| A |

it.

| A |

that part.

| A |

in the glass.

| A |

the other end.

| A |

it.

| A |

it.

| A |

it.

| A |

it.

| A |

it.

| A |

in it.

| A |

in it.

| A |

in it.

| A |

it.

| A |

air in it.

| A |

air in.

| A |

| A |

in it.

| A |

inside.

| A |

it.

| A |

has no air

|| 15

has no air

|| 15

air

|| 16

is in the U shaped glass.

| A |

PUPILS NO	PART I		PART II				MIDDLE CHILD -
	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	
1	7	14	Ga	Accra	Male	Anumale Govt	The air
2	"	16	Ewe	Togo	"	"	The air
3	"	15	Ga	Accra	"	"	The air
4	"	16	Ewe	Okro	"	"	Air
5	"	15	Fanti	Cape Coast	"	"	The force
6	"	17	Ewe	Lome	"	"	Air from
7	"	15	Adangui	Adefor	"	"	Because
8	"	16	Ga	Accra	"	"	The air
9	"	14	"	"	Female	"	Air
10	"	15	"	"	"	"	Air
11	"	15	"	"	"	"	Air
12	"	16	"	"	Male	"	Wind
13	"	15	Ewe	Achimota	Female	"	Air
14	"	15	Ga	Accra	"	"	Air
15	"	15	Fanti	Cape Coast	"	"	Air
16	"	15	"	"	"	"	Air
17	"	14½	Ga	Accra	"	"	Because
18	"	16	"	"	"	"	The air
19	"	17	Ewe	Achimota	"	"	The air
20	"	16	Ga	Accra	"	"	The air
21	"	16	"	"	"	"	The air
22	"	15	Fanti	Cape Coast	"	"	Air
23	"	14	Ga	Accra	Male	"	The air
24	"	15	"	"	Female	"	The air
25	"	17	Ewe	Ayaka	Male	"	The air
26	"	17	Ga	Teshi	"	"	Air
27	"	15	Ewe	Anumale	"	"	The air
28	"	16	"	Gadi	Female	"	The air
29	"	14	Fanti	Saltpond	"	"	Air
30	"	16	Ewe	Keta	Male	Keta Presbyt.	Air
31	"	17	Ga	Accra	Female	Royal Circle Accra	Air
32	"	18	"	"	Male	X'borg Presbyt.	Air

1 A 1

1A1

1A

1A

1A

1 A 2

1A

1A

1A

1A

1A

1A

1A

1A

1A

1 A

1A

1. A

1A

1A

1A

1A

1A

1A

1A

1 A

1A

1 A

1A

1A

1A

1A

PART II

MIDDLE

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD —
1	9	14	Ga	Accra	Male	Anumle	Because
5	"	15	Fanti	Cape Coast	"	"	Because it
2	"	16	Ewe	Togo	"	"	The air
3	"	15	Ga	Accra	"	"	Because it
4	"	16	Ewe	Okro	"	"	Because
6	"	17	"	Lome	"	"	The ball
7	"	15	Adangwe	Adakor	"	"	It is heavy
8	"	16	Ga	Accra	"	"	Because
9	"	14	"	"	Female	"	Because
10	"	15	"	"	"	"	Because
11	"	15	"	"	"	"	It is
12	"	16	"	"	Male	"	Because
13	"	15	Ewe	Achimota	Female	"	It is too
14	"	15	Ga	Accra	"	"	The air
15	"	15	Fanti	Cape Coast	"	"	There is
16	"	15	"	"	"	"	The air
17	"	14½	Ga	Accra	"	"	Because
18	"	16	"	"	"	"	Because
19	"	17	Ewe	Achimota	"	"	The air
20	"	16	Ga	Accra	"	"	It is
21	"	16	"	"	"	"	Power
22	"	15	Fanti	Cape Coast	"	"	The ball
23	"	14	Ga	Accra	Male	"	A power
24	"	15	"	"	Female	"	Because some power
25	"	17	Ewe	Ayaka	Male	"	Because
26	"	17	Ga	Teshi	"	"	Because there
27	"	15	Ewe	Anumle	"	"	The air
28	"	16	"	Gati	Female	"	The gas
29	"	14	Fanti	Saltpond	"	"	The air
30	"	16	Ewe	Keta	Male	Keta Presbyt.	It falls
31	"	17	Ga	Accra	Female	Royal Girls Accra	Because it
32	"	18	"	"	Male	Xiborg Presbyt.	The ball

FORM FOUR REN'S RES PONSES

30

TYPE OF
ANSWER

the ball is heavy .	1 A 2
is heavy than air.	1 A 1
drops it down .	III 15
has nothing to hold it up.	II A 9
nothing can hold the ball.	II A 9
falls because the air pushes it.	III 15
than air .	1 A 1
it is heavier than air .	1 A 1
it is heavy .	1 A 2
it is heavy.	1 A 2
heavy.	1 A 2
it is weighty .	1 A 2
heavy that air cannot hold it up.	1 A 1
push it down.	III 15
nothing to hold it.	II A 9
push it down.	III 15
it has a weight.	1 A 2
it is heavy.	1 A 2
push it down.	III 15
round and heavy .	III 15
push it down .	1 A 1
is heavy	1 A 2
in the ground pull it down	1 A 1
the ball is round & it because	
in the air pushes it down.	1 A 1
it has some weight.	1 A 2
is something in the ground which pulls it	1 A 1
push it down.	III 15
in the ground force it to come down .	1 A 1
push it to fall.	III 15
because of a magnetic power in the soil	1 A 1
is heavy and the wind can't hold it.	1 A 1
is heavy than air	1 A 1

PUPILS NO	PART II		MIDDLE			
	QUEST	AGE	TRIBE	Town	SEX	SCHOOL CHILD -
1	10	14	Ga	Accra	Male	Anumle Court. The air
2	"	16	Ewe	Togo	"	" The air
3	"	15	Ga	Accra	"	" The ball is
4	"	16	Ewe	Oko	"	" The air
5	"	15	Fanti	Cape Coast	"	" The air is
7	"	15	Adangwei	Adafor	"	" The air
8	"	16	Ga	Accra	"	" The air.
9	"	14	"	"	Female	" The wind
10	"	15	"	"	"	" The air.
11	"	15	"	"	"	" Air pushes.
16	"	15	Fanti	Cape Coast	"	" The air pushes
18	"	16	Ga	Accra	"	" The air
19	"	17	Ewe	Achimota	"	" It is round
21	"	16	Ga	Accra	"	" The wind
22	"	15	Fanti	Cape Coast	"	" The wind
23	"	14	Ga	Accra	Male	" The air is
24	"	15	"	"	Female	" The air push
25	"	17	Ewe	Ayoka	Male	" The air pushes
27	"	15	"	Anumle	"	" Because of
30	"	16	"	Keta	"	Keta Presbyt. The wind
31	"	17	Ga	Accra	Female	Royal Girls Accra The air
32	"	18	"	"	Male	X'borg Presbyt The gas in
6	"	17	Ewe	Lome	"	Anumle Court Because
12	"	16	Ga	Accra	"	" Because there
13	"	15	Ewe	Achimota	Female	" Because the
14	"	15	Ga	Accra	"	" The air
15	"	15	Fanti	Cape Coast	"	" It can't
17	"	14½	Ga	Accra	"	" Because it
20	"	16	"	"	"	" Because it
29	"	14	Fanti	Saltpond	"	" The ball
28	"	16	Ewe	Coti	"	" Because
26	"	17	Ga	Teshi	Male	" I do not

RENS' RESPONSES.

push it .	I A I
make it go to that side .	I A I
like rubber , & when it falls , air push it .	I A I
move it .	I A I
moving it .	I A I
	I A I
	I A I
blow it .	I A I
	I A I
The Air pushes it .	I A I
it .	I A I
did it .	I A I
and air	I A I
push it to that side .	I A I
push it to one side .	I A I
moving it by blowing .	I A I
pushes it .	I A I
the ball .	I A I
the ball air which push it .	I A I
push it .	I A I
push it	I A I
it make it to move .	I A I
it is round .	# 15 I B 6
is nothing to hold it .	III 15
ball is round .	I B 6
moves it .	I A I
stay in one place because of air .	I A I
is round .	I B 6
is round .	I B 6
has no corners .	I B 6
there is no hole where the ball can stay .	III 15
know .	III 17

PART II							MIDDLE CHILD -
PUPILS NO.	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	
1	11	14 ¹⁴	Ga ^{Ga} Accra	Accra	Male	Anumle Govt.	The folded
2	"	16	Ewe	Togo	"	"	Because it
3	"	15	Ga	Accra	"	"	Because you
4	"	16	Ewe	O-kO	"	"	Because the
5	"	15	Fanti	Cape Coast	"	"	The crumpled
6	"	16	Ewe	Lome	"	"	The fold one
7	"	15	Adangwi	Adafor	"	"	Because air
8	"	16	Ga	Accra	"	"	The crumpled can't hold
9	"	14	"	"	Female	"	You make it
10	"	15	"	"	"	"	It is heavy.
11	"	15	"	"	"	"	It is heavy.
12	"	16	"	"	"	"	Because it
13	"	15	Ewe	Achimota	"	"	Because
14	"	15	Ga	Accra	"	"	You fold it
15	"	15	Fanti	Cape Coast	"	"	The air
16	"	15	"	"	"	"	If you fold
18	"	16	Ga	Accra	"	"	Because it
19	"	17	Ewe	Achimota	"	"	Because it
20	"	16	Ga	Accra	"	"	The fold one
21	"	16	"	"	"	"	It is heavy.
22	"	15	Fanti	Cape Coast	"	"	It is more
23	"	14	Ga	"	Male	"	It has more
24	"	16	"	"	Female	"	Because the
25	"	17	Ewe	Ayaka	Male	"	It has more
26	"	17	Ga	Teshi	"	"	Because the
27	"	15	Ewe	Anumle	"	"	Because you
28	"	16	"	Gati	Female	"	Because you
29	"	14	Fanti	Saltpond	Male	"	The air makes
30	"	16	Ewe	Ketate	Male	Keta Presby	The crumpled so flat for
31	"	17	Ga	Accra	Female	Royal Girls Accra	Air cannot
32	"	18	"	"	Male	X'berg Presbyt.	The crumpled
17	"	14 $\frac{1}{2}$	"	"	"	Anumle Govt.	I do not know.

RENS' RESPONSES

	TYPE OF ANSWER
one falls because air can't hold it	IAI
is round.	III 15
fold it, ^{it} it ^{became} heavy.	III 15 & I A 4
crumpled one is round.	III 15
one falls because you fold it.	IA 4
because there will not be air to carry it.	IAI
can't carry it.	IAI
one falls because you fold it & air	IA 4 & IAI
it up.	IA 4 & IAI
round & therefore the air can't blow it.	IA 4 & IAI
	III 15
	III 15
is heavy	III 15
you squeeze it & it made it heavy.	IA 4 & III 15
and it is heavy.	IA 4 & III 16
can't hold it.	IAI
it, air can't hold it up.	IAI & IA 4
is heavy	III 15
rolled and air can't hold it	III 15 & IAI
because it is folded.	III 15
	III 16
heavy than the air.	IAI
weight than air.	IAI
folded one air can't hold it.	IAI
weight than air.	IAI
folded one air cannot hold it.	IAI →
have twisted it.	IA 4
fold it and it is heavy.	III 15 & IAI
it heavy and it falls.	III 16
one falls as it is thick, it is not	
air to blow it about.	IAI
support it.	IAI
one falls because air can't balance it.	IAI
	III 17

PART II

MIDDLE

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	12	14	Ga	Accra	male	Anumle Govt	All. Because
2	"	16	Ewe	Togo	"	"	They will fall
3	"	15	Ga	Accra	"	"	Both. They are
4	"	16	Ewe	Okro	"	"	Both. Because
5	"	15	Fanti	Cape Coast	"	"	All. Because
6	"	17	Ewe	Lome	"	"	Both. They are
8	"	16	Ga	Accra	"	"	Both. Because
9	"	14	"	"	Female	"	All fall together.
12	"	16	"	"	Male	"	All. They are
13	"	15	Ewe	Anumle	Female	"	They will fall
14	"	15	Ga	Accra	"	"	Both. They
15	"	15	Fanti	Cape Coast	"	"	Both. Because
16	"	15	"	"	"	"	All will fall at
17	"	14½	Ga	Accra	"	"	All ^{will reach the} fall together
21	"	16	"	"	"	"	All. They are
22	"	15	Fanti	Cape Coast	"	"	All at once. They
23	"	14	Ga	Accra	Male	"	All will fall together.
24	"	15	"	"	Female	"	All will fall all hit the
25	"	17	Ewe	Ayaka	Male	"	All will fall at
27	"	15	"	Anumle	"	"	They will fall at
28	"	16	"	Croti	Female	"	They will fall together.
29	"	14	Fanti	Cape Coast	"	"	All will fall together.
30	"	16	Ewe	Keta	Male	Keta Presbyt.	All will fall at
10	"	15	Ga	Accra	Female	Anumle Govt	Lead. It is heavy.
18	"	16	"	"	"	"	Lead. Lead
19	"	17	Ewe	Ashumota	"	"	Lead. Because lead
26	"	17	Ga	Teshi	Male	"	Lead. It is heavier.
70	"	15	Adangui	Adafor	"	"	Lead. It is heavy.
11	"	15	Ga	Accra	"	"	Lead. It is heavier.
31	"	17	"	"	Female	Royal Girls Accra	Lead will fall. Lead
32	"	18	"	"	Male	X'borg Presbyt.	Lead. Is too heavy.
20	"	16	"	"	Female	Anumle Govt.	Lead. It is heavy.

RENS' RESPONSES

TYPES OF
ANSWER

they have weight. They fall together.	I A I
together. They are heavy. They fall at once.	I A I
all heavy. They fall together.	I A I
they are ^{have} heavy ^{weight} . All fall at once.	I A I
they are heavy. They fall at together.	I A I
heavy. They fall at once.	I A I
they are heavy. One time.	I A I
They have all got weight. They fall at one time.	I A I
heavy. They hit together.	I A I
together. Because they are the same. They hit the paper together.	I A I
are equal. Together.	I A I
they are the same. They fall together.	I A I
once. They are the same. They fall one time.	I A I
ground at once. I do not know. They fall at the same time.	I A I & III
heavy. They hit the floor at the same time. sound.	I A I
are all heavy. They all fall one time.	I A I
Because all are heavy. They hit the paper together.	I A I
the same time. They all have ^{are heavy} weight. They	I A I
ground at the same time.	I A I
the same time. They all have weight. They ^{fall at the} same time.	I A I
once. They are weighty. They fall at one time.	I A I
Because they are equal. They hit the floor together.	I A I
Because they are all heavy. They fall together.	I A I
the sometime. They are all heavy. Together.	I A I
Lead sound is noiser than wood.	III 15
is heavier. Lead makes a heavy sound than stick .	III 15
is heavy. Lead hits hard & the wood is light.	III 15
The lead makes more sound.	III 15
Lead makes a heavy ^{deep} sound than the other one.	III 15
Lead makes more sound than wood.	III 15
is heavy. It makes more noise.	III 15
Lead because it is heavy & jumped.	III 15
It makes a loud sound than wood.	III 15

PART II

MIDDLE

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD —
1	13	14	Ga	Accra	Male	Anumle Coast	Because the
2	"	16	Ewe	Togo	"	"	Because the
3	"	15	Ga	Accra	"	"	The lid and
4	"	16	Ewe	Bko	"	"	Because it
5	"	15	Fanti	Cape Coast	"	"	The waving
6	"	17	Ewe	Lome	"	"	Because you
7	"	15	Adangui	Adafor	"	"	The penny is
8	"	16	Ga	Accra	"	"	Because the
9	"	14	"	"	Female	"	The air
10	"	15	"	"	"	"	The lid is
11	"	15	"	"	"	"	The edges
12	"	16	"	"	Male	"	Because of
13	"	15	Ewe	Achimota	Female	"	Because the
14	"	15	Ga	Accra	"	"	The lid is
15	"	15	Fanti	Cape Coast	"	"	The edges
16	"	15	"	"	"	"	Because it is
17	"	14½	Ga	Accra	"	"	Because of
18	"	16	"	"	"	"	The penny
19	"	17	Ewe	Achimota	"	"	The lid
20	"	16	Ga	Accra	"	"	The lid
21	"	16	"	"	"	"	The air presses
22	"	16	Fanti	Cape Coast	"	"	The lid
23	"	14	Ga	Accra	Male	"	Because the
24	"	14	"	"	Female	"	Because
25	"	17	Ewe	Ayaka	Male	"	It is
26	"	17	Ga	Teshe	"	"	Because of
27	"	15	Ewe	Anumle	"	"	Because the
28	"	16	"	Gati	Female	"	The cigarette
29	"	14	Fanti	saltpond	"	"	The lid
30	"	16	Ewe	Keta	Male	Keta Presbyt.	There is
31	"	17	Ga	Accra	Female	Royal Girls Sch.	It is heavy &
32	"	18	"	"	Male	X'burg Presby.	The lid make

PENN'S RESPONSES

TYPE OF
ANSWER

lid hold it	III 15
penny is not heavy.	III 15
the string.	III 16
is balanced.	III 15
makes it not to fall.	I A 2
move it up & down.	I A 4
heavy	III 15
penny is heavy.	III 15
presses it.	I A 1
not flat.	I B 6
air pushes it.	I A 1
the edges of the lid.	I B 6
lid hold it.	III 15
not flat	I B 6
of the lid hold it.	I B 6
not at the middle of the lid.	III 15
the edges of the lid.	I B 6
is heavy.	I B 6
is deep.	I B 6
is deep.	I B 6
it on the lid.	I A 1
has corners.	I B 6
lid does not turn upside down.	III 15
it is heavy.	III 15
supported by the lid.	III 15
the edges of the lid.	I B 6
corners of the lid hold the penny.	I B 6
tin keeps it there.	III 16
holds it.	III 16
force which press the penny on the lid.	I A 1
air push it on the lid.	I A 1 & I B 6
it not to fall & air press it	I A 1 & III 15

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	14	14	^{Ga} Accra	Accra	Male	Anumale Coast	The air and
2	"	16	Ewe	Togo	"	"	You rolled it
3	"	15	Ga	Accra	"	"	Because you
4	"	16	Ewe	Oko	"	"	The lid is round.
5	"	15	Fanti	Cape coast	"	"	The rolling of your
6	"	17	Ewe	Lome	"	"	Because it has
7	"	15	Adangui	Adafor	"	"	Because the
8	"	16	Ga	Accra	"	"	The penny is
9	"	14	"	"	"	"	Because you
10	"	15	"	"	"	"	The air push
11	"	15	"	"	"	"	Because of
12	"	16	"	"	Male	"	Because of the
13	"	15	Ewe	Achimota	Male Female	"	You circle
14	"	15	Ga	Accra	Female	"	The air pushes
15	"	15	Fanti	Cape Coast	"	"	Because you
16	"	15	"	"	"	"	The air and the
17	"	14½	Ga	Accra	"	"	Because of
18	"	16	"	"	"	"	The air makes
19	"	17	Ewe	Achimota	"	"	The air.
20	"	16	Ga	Accra	"	"	Because of
21	"	16	"	"	"	"	Because you
22	"	15	Fanti	Cape Coast	"	"	You hand
23	"	14	Ga	Accra	Male	"	Because of
24	"	15	"	"	Female	"	Because you
25	"	17	Ewe	Ayaka	Male	"	Because it is heavy so
26	"	17	Ga	Teshi	"	"	You force it
27	"	15	Ewe	Anumale	"	"	Because some
28	"	16	"	Cati	Female	"	The lid is
29	"	14	Fanti	Saltpond	"	"	Because of
30	"	16	Ewe	Keta	Male	Keta Presbyt.	Because of
32	"	18	Ga	Accra	"	K'borg	You are
31	"	17	"	"	Female	Royal G. Accra	I do not know.

RENS' RESPONSES

	TYPE OF ANSWER
some power make it high.	1 A 2
round.	1 A 4
swing your hand.	1 A 4
	III 16
yo hand.	1 A 4
equal weight on all sides	1 A 2
penny is heavy on it.	III 16
heavy moves the thing.	III 16
swing your hand.	1 A 4
it.	III 16
the air.	III 16
lid.	III 15
it.	1 A 4
it.	III 16
move it & the wind too blows.	1 A 4 & III 16
swing makes it.	1 A 2
the thread.	III 15
it go up.	III 16
	III 16
the air and the lid.	III 15
had rolled it	1 A 4
swing round.	1 A 4
the force of swing	1 A 1
will it round.	1 A 4
that if you swing it, it goes round.	III 15 & 1 A 4
to go round.	1 A 4
power make it move.	III 15
moving quickly.	III 16
the rope.	# 1 B 6
the string and the hand.	1 B 6
rolling it.	1 A 4
	III 17

TABULATED

RESPONSES

QUESTIONS 1A1 1A2 1A3 1A4 1A5 1B6 1B7 1B8 TRICKERY

1					11			
2		9						
3								31
4	16						1	
5	8	11					2	
6	15	4			3	1		
7							23	
8	16							
9	9				1			
10	32							
11		32						
12	27	1				1		
13	18		1				1	
14	32							
15	32							
16	18					2	9	
17	30							
18	28	1						

PART II

1	2	9			1		7	
2	30							
3	32							
4	14	16		1				
5	29							
6	26							
7	31	1						
8								
9	12	9						
10	24					5		
11	17			8				
12	23							
13	6	1		1		12		
14	1	3		12		2		

Middle Form Four

Pupils' Environment

The pupils in this class have been grouped under the various schools which they attend. Pupils from numbers one to twenty-nine are from Anumante Govt. School. This school is about eight miles from the sea and Accra. Although it may be termed a village school, yet most of its pupils come from Accra. These pupils have come with township life to the school, which other children copy.

The school is also lucky to be situated in an area where it receives a civilising influence. The influence comes from the Achimota Secondary school and partially from the University College. Any visitor from Accra to the school would be impressed by the layout of the school with its spacious, airy and attractive buildings and the excellent play ground it possesses.

Most of the pupils' parents or guardians are workers in the University College and in the Secondary school site. Other pupils have their parents in the village and at Accra but they are also employees.

The children come from very many tribes of the country but the chief ones are Ga, Fanti, Ewe and Adangmi. These tribes are mostly along the coast and are situated in the grassland region. The children from those tribes come from the large towns of Accra, Cape Coast, Lome and Keta.

The majority of the sons and daughters of the enlightened workers in the University and the school are able to express themselves to the understanding of the investigator. They also gave reasonable answers to questions asked.

Number thirty is a pupil from Keta and belongs to the Ewe tribe. He gave good responses. The parents are literate.

Number thirty-one is from Accra Royal Girls. This school environment will be described under middle form three. Pupil lives at Accra.

The pupil from X'borg Presbyterian school gave good responses to the questions. He took some time to think before he could answer any question. He is eighteen years old. He also ~~under~~ completed his middle form four last year.

Out of 32 pupils interviewed in this class, there is an equal number of girls as there are boys.

							MIDDLE CHILD -
PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	
1	1	15	Ga	Accra	Female	Royal Girls Accra	Rain carry
2	"	14½	"	"	"	Royal Girls Accra	The loose soil
9	"	16	Twi	Aburi	"	"	The water carry
27	"	15	Ga	Labadi	Male	X'borg Presby.	Hills were made place and
3	"	15	"	Accra	Female	Royal Girls Accra	God made hills
4	"	16	"	"	"	"	By God
6	"	14	"	"	"	"	They are made
8	"	15½	"	"	"	"	God made them.
11	"	15	"	Teshi	"	"	God made them.
12	"	15	Ewe	Keta	"	"	God made them.
13	"	17	Hausa	Achimota	Female	Anumako Govt.	It made by God.
14	"	17	Twi	Tantwi	"	"	God made the
16	"	17	Ga	Accra	"	"	God made
17	"	15	Twi	Aburi	"	"	It is made
18	"	16	Ga	Accra	"	"	It made by
22	"	16	"	"	"	"	God made hills.
24	"	14½	"	Labadi	"	"	God made them.
25	"	15	"	Accra	"	"	God made them.
29	"	14	Fanti	Cape Coast	"	Wesley Girls C. Coast	God made hills.
30	"	15	"	"	"	Methodist Accra	Hills were
31	"	13	"	"	"	Govt Girls C. coast	God made them.
5	"	16	Ga	Accra	"	Royal Girls Accra	I do not know.
10	"	15	Ewe	Keta	"	"	I do not know.
15	"	15	Ga	Accra	"	"	I do not know.
20	"	15	"	"	"	"	I do not know.
21	"	16	"	"	"	"	I do not know.
23	"	15	"	"	"	"	I do not know.
28	"	15	"	"	"	G.C. National Accra	I do not know.
32	"	16	"	"	Male	Korte Wotua	I do not know.
26	"	17	Adange	Osudoku	"	Presbyt. X'borg	I don't know.
7	"	15	Fanti	C. coast	Female	Royal Girls Accra	They were made
17	"	15	Ga	Accra	"	"	It made itself.

RENS' RESPONSES

TYPE OF
ANSWER

stone, stick, sand and made hills.

I B 6

was carried & the part which remained formed hills.

I B 6

the stone, sand & stick in one place & make hills

I B 6

by rain collecting sand & stone from other
packing it in one place.

I B 6

II B 12

II B 12

by God.

II B 12

II B 12

II B 12

II B 12

II B 12

hills.

II B 12

mountains and hills.

II B 12

by God.

II B 12

God.

II B 12

II B 12

II B 12

II B 12

II B 12

made from rocks by God.

II B 12

II B 12

III 17

III 17

III 17

III 17

III 17

III 17

III 17

III 17

III 17

by nature

II C 13

How did it do it? No ^{one} can explain.

III 16 & III 17

1

PUPILS NO	QUEST.	AGE	TRIBE	TOWN	Sex	SCHOOL	CHILD —
1	2	15	Ga	Accra	Female	Royal Girls Accra	God made
2	"	14½	"	"	"	"	They are
3	"	15	"	"	"	"	Rain water
4	"	16	"	"	"	"	God made it
5	"	16	"	"	"	"	River Volta
6	"	14	"	"	"	"	Water fill in a
7	"	15	Fanti	Cape Coast	"	"	Lakes are
8	"	15½	Ewe	Accra	"	"	Only God can
9	"	16	Twi	Aburi	"	"	Water collect in
10	"	15	Ewe	Keta	"	"	I do not know.
11	"	15	Ga	Teshi	"	"	Rain water stay
12	"	15	Ewe	Keta	"	"	God made them.
13	"	17	Hausa	Achimota	"	Anumake Court	God.
14	"	17	Twi	Tantawi	"	"	God.
15	"	15	Ga	Accra	"	"	I do not know.
16	"	17	"	"	"	"	God made it.
17	"	15	Twi	Aburi	"	"	God make it
18	"	16	Ga	Accra	"	"	They are natural
19	"	15	"	"	"	Royal Girls Accra	They Lakes
20	"	15	"	"	"	"	By God.
21	"	16	"	"	"	"	By God.
22	"	16	"	"	"	"	He made lake
23	"	15	"	"	"	"	God make it
24	"	14½	"	Labadi	"	"	The lake
25	"	16	"	Accra	"	"	They are
26	"	17	Adangui	Osukochu	Male	X'bony Presbyt.	It was made
27	"	15	Ga	Labadi	"	"	I do not know.
28	"	15	"	Accra	Female	National Accra	I do not know.
29	"	14	Fanti	Cape Coast	"	Mosley Girls C. coast	Rain made Lake
30	"	15	"	"	"	Methodist Accra	lakes. There are no Water will are found in
31	"	13	"	"	"	Cent. Girls C. coast	God make them.
32	"	16	Ga	Accra	Male	Korle Wokua	It is formed by a the place is a

FORM THREE

41

RENS' RESPONSES

TYPE OF
ANSWER

Lake Bosumtwi

II B 12

made by nature

II C 13

collect in a valley and formed lakes.

I B 6

II B 12

make the lake.

III 16

in that place. What made the hole? I do not know.

I A 2 & III 17

natural.

II C 13

make them.

II B 12

a hole. What made the hole? God.

II B 12

III 17

in that valley.

I A 2

II B 12

II B 12

II B 12

III 17

II B 12

II B 12

II C 13

are natural.

II C 13

II B 12

II B 12

Bosumtwi too (God)

II B 12

II B 12

was made by God.

II B 12

natural.

II C 13

by God

II B 12

III 17

III 17

Bosumtwi. Why does the ^{rain} ~~lake~~ not make other
 deep valleys again where rain can stand.
 fall and stay in holes and these holes
 valleys.

I A 2

I A 2

II B 12

river. Why did the water collect there? Because
 valley.

III 16

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD —
1	3	15	Ga	Accra	Female	Royal Girls Accra	They come from
2	"	14½	"	"	"	"	Waves come from
3	"	15	"	"	"	"	From the sea.
4	"	16	"	"	"	"	It come from
5	"	16	"	"	"	"	From the sea.
6	"	14	"	"	"	"	They come
7	"	15	Fanti	Cape Coast	"	"	They come
8	"	15½	Ga	Accra	"	"	From the sea
9	"	16	Twi	Aburi	"	"	They come
10	"	15	Ewe	Keta	"	"	It comes
11	"	15	Ga	Teshi	"	"	Waves come
12	"	15	Ewe	Keta	"	"	Waves come
13	"	17	Hausa	Achimota	"	Anumle Coll.	From the sea.
14	"	17	Twi	Tanturi	"	"	They come
15	"	15	Ga	Accra	"	"	It comes
16	"	17	"	"	"	"	From the sea.
17	"	15	Twi	Aburi	"	"	They come
18	"	16	Ga	Accra	"	"	They blow
19	"	15	"	"	"	Royal Girls Accra	It comes
20	"	15	"	"	"	"	From the
21	"	16	"	"	"	"	I do not
22	"	16	"	"	"	"	From the
23	"	15	"	"	"	"	It comes
24	"	14½	"	Kabadi	"	"	From the
25	"	16	"	Accra	"	"	They come
26	"	17	Adangwe	Osukodu	Male	X'borg. Presbyt.	They come
27	"	15	Ga	Kabadi	"	"	From the
28	"	15	"	Accra	Female	National Accra	It is on
29	"	14	Fanti	Cape Coast		Wesley Girls C. Coast	Wave come
30	"	15	"	"		Meth. Accra	If the wind
31	"	13	"	"		Govt. Girls C. coast	They come
32	"	16	Ga	Accra		Korte Wokua	It comes

RENS' RESPONSES.

TYPE OF
ANSWERS

the sea.

Trickery

in the sea.

"

"

the sea.

"

"

from the sea.

"

from the sea.

"

"

from the sea.

"

from the sea.

"

from the sea.

"

from the sea.

"

"

from the sea.

"

from the sea.

"

"

from the sea.

"

from the sea.

"

from the sea.

"

sea.

"

know.

III 17

sea.

Trickery

from the sea.

"

sea.

"

from the sea.

"

from the sea.

"

sea.

"

the other sea side.

"

from inside the sea.

"

blows it will make waves.

IAI

from the air

IAI

from the sea

Trickery

PUPILS NO.	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	4	15	Ga	Accra	Female	Royal Girls Accra	Because the
2	"	14½	"	"	"	"	I do not
3	"	15	"	"	"	"	God made
4	"	16	"	"	"	"	The wind
5	"	16	"	"	"	"	Wind blow
6	"	14	"	"	"	"	Because the
7	"	15	Fanti	Cape Coast	"	"	Because the
8	"	15½	Ga	Accra	"	"	The wind
9	"	16	Twɔ	Aburi	"	"	Because the
10	"	15	Ewe	Keta	"	"	Because the
11	"	15	Ga	Teshi	"	"	The wind
12	"	15	Ewe	Keta	"	"	Because the
13	"	17	Hausa	Achimota	"	Anumle Govt.	Because of
14	"	17	Twɔ	Tantwi	"	"	Because the
15	"	15	Ga	Accra	"	"	When the
16	"	17	"	"	"	"	The wind
17	"	15	Twɔ	Aburi	"	"	The air
18	"	16	Ga	Accra	"	"	The air
19	"	15	"	"	"	Royal Girls Accra	The air blows
20	"	15	"	"	"	"	I do not
21	"	16	"	"	"	"	Because the
22	"	16	"	"	"	"	I do not
23	"	15	"	"	"	"	The wind
24	"	14½	"	Labadi	"	"	Because fish
25	"	16	"	Accra	Male	Wesley Girls	Because the
26	"	17	Adangwe	Osu Kodua	Male	X'borg, Presbyt	They come
27	"	15	Ga	Labadi	"	"	When water is from the sea
28	"	15	"	Accra	Female	National Accra	I do not The
29	"	14	Fanti	Cape Coast	"	Wesley Girls C. Coast	I do not know.
30	"	15	"	"	"	Meth. Girls Accra	If the wind
31	"	13	"	"	"	Govt. Girls C. Coast	I do not know.
32	"	16	Ga	Accra	Male	Korle Wokua	Because of

FORM THREE RENS' RESPONSES

43

	TYPE OF ANSWER
wind blow it.	I A I
know.	III 17
them there.	II B 12
blow the water.	I A I
the water.	I A I
wind blow the water.	I A I
wind blows.	I A I
blow the water & make make wave.	I A I
wind blow it.	I A I
wind blow it.	I A I
blow it.	I A I
wind blow it.	I A I
the wind.	I A I
wind blow.	I A I
wind blows it makes waves.	I A I
blows it.	I A I
	I A I
blows them from the middle of the sea.	I A I
them.	I A I
know.	III 17
wind blow it.	I A I
know.	III 17
blow it.	I A I
move in the sea.	I B 6
wind blows.	I A I
from the sea.	III 16
come from the shore & the other	
meet, they make waves.	I B 8
air or the breeze make it to make waves.	I A I
	III 17
blows from the sea, it will make waves.	I A I
	III 17
its currents.	III 15

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	5	15	Ga	Accra	Female	Royal Girls Accra	If the wind blow
2	"	14½	"	"	"	"	Because wind
3	"	15	"	"	"	"	Because the
4	"	16	"	"	"	"	I do not know.
5	"	16	"	"	"	"	I do not know.
6	"	14	"	"	"	"	Some day me
7	"	15	Fanti	Cape Coast	"	"	When the wind
8	"	15½	Ga	Accra	"	"	When the
9	"	16	Twi	Aburi	"	"	I do not know.
10	"	15	Ewe	Keta	"	"	I do not know
11	"	15	Ga	Teshi	"	"	The sun & moon
12	"	15	Ewe	Keta	"	"	Some day the
13	"	17	Hausa	Achimota	"	Anumle Crest	It is because
14	"	17	Twi	Tantwi	"	"	Because sometimes
15	"	15	Ga	Accra	"	"	The wind does
16	"	17	"	"	"	"	Because of the
17	"	15	Twi	Aburi	"	"	Because of the
18	"	16	Ga	Accra	"	"	If the the wind
19	"	15	"	"	"	Royal Girls Accra	If the air blows
20	"	15	"	"	"	"	I do not know.
21	"	16	"	"	"	"	I do not know.
22	"	16	"	"	"	"	On some day
23	"	15	"	"	"	"	When you have
24	"	14½	"	Labadi	"	"	I do not know.
25	"	16	"	Accra	"	"	Wind does not
26	"	17	Adangwi	Osukuda	Male	X'borg Presby	Because when have high
27	"	15	Ga	Labadi	"	"	I do not know.
28	"	15	"	Accra	Female	National Accra	When the wind
29	"	14	Fanti	Cape Coast	"	Wesley Girl C. Coast	Waves are
30	"	15	"	"	"	Math C. Accra	Rough water
31	"	13	"	"	"	Coast G. C. coast	I have not
32	"	16	Ga	Accra	"	Korle Warkua	It caused by

FORM THREE.

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RENS' RESPONSES.

TYPE OF
ANSWER

on that day we have wave.	I A I
does not blow any day.	I A I
wind blow.	III 15
	III 17
	III 17
get wind, some day not.	I A I
blows on that day we have waves.	I A I
water in the sea is full, it make waves.	I B 6
	III 17
	III 17
make it. How does this happen? I do not know.	III 16 & III 17
wind blow & it some day not.	I A I
the wind change it its place.	I A 2
the wind does not blow at all	I A I
not blow always.	I A I
movement of the sun & moon.	III 15
moon wind.	III 15
is strong it make wave.	III 16
it makes waves.	III 16
	III 17
	III 17
there is wind & nothing on other days.	I A I
wind before you have waves	I A 2
	III 17
blow always.	I A I
it full of water it cause to	
waves	I B 6
	III 17
blows too much of the water make waves.	III 15
cause by tides.	III 16
causes tides.	I B 6
seen a change in waves.	III 16
change in water.	III 16

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	6	15	Ga	Accra	Female	Royal Girls Accra	It wants to
2	"	14½	"	"	"	"	It come from
3	"	15	"	"	"	"	Because the
4	"	16	"	"	"	"	The water come
5	"	16	"	"	"	"	Because all
6	"	14	"	"	"	"	God make
7	"	15	Fanti	Cape Coast	"	"	It flows
8	"	15½	Ga	Accra	"	"	So that it
9	"	16	Twi	Aburi	"	"	All rivers flow.
10	"	15	Ewe	Keta	"	"	God make it
11	"	15	Ga	Teshi	"	"	Because the
12	"	15	Ewe	Keta	"	"	Because it come
13	"	17	Hausa	Achimota	"	Anumake Court	I do not know.
14	"	17	Twi	Tantwi	"	"	Because Dansu ^{it}
15	"	15	Ga	Accra	"	"	I do not know.
16	"	17	"	"	"	"	Because Dansu
17	"	15	Twi	Aburi	"	"	I do not know.
18	"	16	Ga	Accra	"	"	Because it comes
19	"	15	"	"	"	Royal Girls Accra	Because it comes
20	"	15	"	"	"	"	The air.
21	"	16	"	"	"	"	I do not know.
22	"	16	"	"	"	"	Because the
23	"	15	"	"	"	"	Because it come
24	"	14½	"	Labadi	"	"	Because it come
25	"	16	"	Accra	"	"	So that people
26	"	17	Adangui	Osudoku	Male	X'borg, Presby	It flows from
27	"	15	Ga	Labadi	"	"	Dansu comes
28	"	15	"	Accra	Female	National Aer.	It flow from
29	"	14	Fanti	Cape Coast	"	W. C. C. coast	It move because not flat &
30	"	15	"	"	"	Moh. G. Accra	Because it
31	"	13	"	"	"	Court. G. C. coast	It move ground is
32	"	16	Ga	Accra	"	Korle Wokua	It flow to

FORM THREE -RENS' RESPONSES

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	TYPE OF ANSWER
come to the sea.	I B 8
a hill & come down it.	I A 1
ground is not flat.	I A 1
From high to low land & come to the sea.	I A 1
water move.	I A 5
it to move.	II B 12
From high to low land.	I A 1
will come to the sea	III 16
Why do they flow? I do not know.	III 17 & I A 5
so.	II B 12
ground is not flat.	I A 1
from a hill.	I A 1
Because the river goes to the side which is low.	I A 1
come from a hill to the low land.	I A 1
	III 17
come from a hill.	I A 1
	I A 1
from mountain	I A 1
from mountains	I A 1
	I A 5
	III 17
wind blow it.	I A 5
from a hill.	I A 1
from a hill to a low ground.	I A 1
may have water to drink.	II C 14
high mountain	I A 1
from mountain & pass to flat land.	I A 1
the mountain to the sea ^{which} that is low.	I A 1
it is not a lake and the ground is	
therefore it go down a hill.	I A 1
must go down a hill.	I A 1
to another river and because the	
not flat.	I A 1
a valley.	I A 2

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	7	15	Ga	Accra	Female	Royal Girls Accr.	From the sea.
2	"	14½	"	"	"	"	It come from
3	"	15	"	"	"	"	Wind come
4	"	16	"	"	"	"	From the trees.
5	"	16	"	"	"	"	From the sea.
6	"	14	"	"	"	"	From the sea.
7	"	15	Fanti	Cape Coast	"	"	From the sea.
8	"	15½	Ga	Accra	"	"	It comes from the
9	"	16	Twɔ	Aburi	"	"	It comes from
10	"	15	Ewe	Keta	"	"	It comes
11	"	15	Ga	Accra	"	"	From the sea
12	"	15	Ewe	Keta	"	"	From the sea
13	"	17	Hausa	Achimota	"	Anumale Govt	Wind come
14	"	17	Twɔ	Tandwi	"	"	From the sea.
15	"	15	Ga	Accra	"	"	Winds come
16	"	17	"	"	"	"	Winds come
17	"	15	Twɔ	Aburi	"	"	Winds come
18	"	16	Ga	Accra	"	"	Some come
19	"	15	"	"	"	Royal Girls Accra	It comes from
20	"	15	"	"	"	"	I do not know.
21	"	16	"	"	"	"	The wind comes
22	"	16	"	"	"	"	The wind come
23	"	15	"	"	"	"	They wond come
24	"	14½	"	Labadi	"	"	They come
25	"	16	"	Accra	"	"	It comes from
26	"	17	Adangwɔ	Osukoda	Male	X'borg. Presbyt.	It comes from It comes
27	"		Ga	Labadi	"	"	From the air
28	"		"	Accra	Female	National Girls Accr.	From the
29	"		Fanti	Cape Coast	"	Wet. girl c. coast	Wind comes
30	"		"	"	"	Meth. Gals Accra	Wind comes
31	"		"	"	"	Govt. G. c. coast	The wind
32	"		Ga	Accra	Male	Korle Woteka	It comes

FORM THREE KENS' RESPONSES

46

TYPE OF
ANSWER

	1 B 8
the sea.	1 B 8
from the sea	1 B 8
	1 B 8
	1 B 8
	1 B 8
sea	1 B 8
the sea.	1 B 8
from the sea.	1 B 8
	1 B 8
	1 B 8
from the sea.	1 B 8
	1 B 8
from the sea.	1 B 8
from the trees.	1 B 8
from the sea	1 B 8
from the sea & some from the land.	1 B 8
the sea.	1 B 8
	III 16
from the Atlantic ocean.	III 16
from the sea.	1 B 8
from the sea.	1 B 8
from trees.	1 B 8
the sea.	1 B 8
air. Where does air come from?	
from breeze.	1 A 2
	1 A 2
western side of the world.	III 16
from the air.	1 A 2
from the sea.	1 B 8
come from air and breeze.	1 A 2
from sea and land.	1 B 8

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	8	15	Ga	Accra	Female	Royal Girls Accr	the Wind
2	"	14½	"	"	"	"	The wind
3	"	15	"	"	"	"	The wind
4	"	16	"	"	"	"	The wind
5	"	16	"	"	"	"	The wind
6	"	14	"	"	"	"	It is
7	"	15	Fanti	Cape Coast	"	"	The wind
8	"	15½	Ga	Accra	"	"	The wind
9	"	16	Twi	Aburi	"	"	The wind
10	"	15	Ewe	Keta	"	"	The wind
11	"	15	Ga	Accra	"	"	The wind
12	"	15	Ewe	Keta	"	"	The wind
13	"	17	Hausa	Achimota	"	Anumale Coast	The wind
14	"	17	Twi	Tanturi	"	"	The wind
15	"	15	Ga	Accra	"	"	The wind
16	"	17	"	"	"	"	I do not know
17	"	15	Twi	Aburi	"	"	I don't know
18	"	16	Ga	Accra	"	"	When the
19	"	15	"	"	"	Royal Girls Accra	I do not know
20	"	15	"	"	"	"	I do not know
21	"	16	"	"	"	"	The air
22	"	16	"	"	"	"	The wind
23	"	15	"	"	"	"	By the power
24	"	14½	"	Labadi	"	"	The wind
25	"	16	"	Accra	"	"	The wind
26	"	17	Adangwe	Osuakoda	Male	X'borg Presbyt	It moves by
27	"	15	Ga	Labadi	"	"	Because the clouds
28	"	15	"	Accra	Female	National Accra	The wind
29	"	14	Fanti	C. Coast	"	Wesley G. C. Coast	The wind
30	"	15	"	"	"	Coast Girls C. Coast	The air
31	"	13	"	"	"	Method. Accra	The wind
32	"	16	Ga	Accra	Male	Korte Wokua	The heat

FORM THREE RENS' RESPONSES

47

TYPE OF
ANSWER

I A I

I A I

blows it.

I A I

I A I

I A I

because the wind blows it.

I A I

I A I

I A I

I A I

blows it

I A I

I A I

I A I

I A I

I A I

I A I

III 17

III 17

earth turns round it causes clouds to move

III 16

III 17

III 17

1 A I

1 A I

of the wind

I A I

I A I

I A I

means of wind.

I A I

world is going round, then the
appear to move.

F

III 16

I A I

make clouds move.

I A I

I A I

make them move.

I A I

III 16

PUPILS NO	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD
1	9	15	Ga	Accra	Female	Royal Girls Accra	I do not know.
2	"	14½	"	"	"	"	They hang
3	"	15	"	"	"	"	I do not know.
4	"	16	"	"	"	"	I do not know.
5	"	16	"	"	"	"	I do not know.
6	"	14	"	"	"	"	I do not know.
7	"	15	Fanti	Cape Coast	"	"	I do not know.
8	"	15½	Ga	Accra	"	"	I do not know.
9	"	16	Twi	Aburi	"	"	I do not know.
10	"	15	Ewe	Keta	"	"	I do not know.
11	"	15	Ga	Teshi	"	"	Because they
12	"	15	Ewe	Keta	"	"	I don't know.
13	"	17	Hausa	Achimota	"	Anumle coast	They move at
14	"	17	Twi	Tanturi	"	"	I do not
15	"	15	Ga	Accra	"	"	I do not know.
16	"	17	"	"	"	"	I do not know.
17	"	15	Twi	Aburi	"	"	I do not know.
18	"	16	Ga	Accra	"	"	I do not know.
19	"	15	"	"	"	Royal Girls Accra	Because it was
20	"	15	"	"	"	"	I do not know.
21	"	16	"	"	"	"	I do not know.
22	"	16	"	"	"	"	That is where
23	"	15	"	"	"	"	It was made
24	"	14½	"	Labadi	"	"	I do not know.
25	"	16	"	Accra	"	"	I do not know
26	"	17	Akanwa	Osukuda	Male	X'borg Presbyt.	So that they
27	"	15	Ga	Labadi	"	"	It made by
28	"	15	"	Accra	Female	National Accra	I do not know.
29	"	14	Fanti	Cape Coast	"	Wesley C. Coast	I do not know.
30	"	15	"	"	"	Math. Accra	I do not know. by steel. What
31	"	13	"	"	"	Govt. Girls C. Coast	I do not know.
32	"	16	Ga	Accra	Male	Korle Wokua	The wind put

FORM THREE RENS' RESPONSES

48

	TYPE OF ANSWER
They are smoke.	III 17 & I A1
on the sky. They are light.	III 16 & I A1
They are light.	III 17 & I A1
It is like smoke.	III 17 & I A1
They are smoke.	III 17 & I A1
They are not heavy.	III 17 & I A1
They stay up because they are not heavy.	I A1
They are light.	III 17 & I A1
They are not heavy.	III 17 & I A1
They are like smoke.	III 17 & I A1
are not heavy.	III 17 & I A1
	III 17 & I A1
times. They are not liquid	III 16
know. They are not heavy	III 17 & I A1
	III 17
	III 17
	III 17
It is natural & it is not heavy.	III 17 & II C14, I A1
made by God.	II B 12
	III 17
	III 17
God put them.	II B 12
by God to be there. I do not know.	II B 12 & II 17
	III 17
It is like smoke.	III 17 & I A1
keep the air. They are ashes.	III 16
nature God.	II B 12
Air hold it	III 17
	III 17
Clouds stay in the sky by steel. They hang	
does steel mean? (No answer)	II A 9
God made them to stay in the sky.	III 17 & II B 12
it there.	III 16

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	10	15	Ga	Accra	Female	Royal Girls Accra	The air
2	"	14½	"	"	"	"	The wind
3	"	15	"	"	"	"	The wind
4	"	16	"	"	"	"	The air
5	"	16	"	"	"	"	It is because
6	"	14	"	"	"	"	The air carry
7	"	15	Fanti	Cape Coast	"	"	The wind carry
8	"	15½	Ga	Accra	"	"	The wind
9	"	16	Twi	Aburi	"	"	The wind
10	"	15	Ewe	Keta	"	"	The wind.
11	"	15	Ga	Teshi	"	"	The wind air
12	"	15	Ewe	Keta	"	"	The wind.
13	"	17	Hausa	Achimota	"	Anumale Govt.	The wind
14	"	17	Twi	Tantwi	"	"	The wind
15	"	15	Ga	Accra	"	"	The air
16	"	17	"	"	"	"	The air
17	"	15	Twi	Aburi	"	"	The wind.
18	"	16	Ga	Accra	"	"	Air rises
19	"	15	"	"	"	"	The air
20	"	15	"	"	"	"	Air
21	"	16	"	"	"	"	The air
22	"	16	"	"	"	"	The air
23	"	15	"	"	"	"	The air
24	"	14½	"	Kakadi	"	"	The air
25	"	16	"	Accra	"	"	Air takes
26	"	17	Adangwi	Osukuda	Male	X'borg Presbyt.	Because of
27	"	15	Ga	Kakadi	"	"	It is not
28	"	15	"	Accra	Female	National Accra	Air takes
29	"	14	Fanti	Cape Coast	"	Wesley C. coast	The air
30	"	15	"	"	"	Method. Accra	The air
31	"	13	"	"	"	Govt. Girls C. coast	The wind
32	"	16	Ga	Accra	Male	Korle Wokua	The air

FORM THREE RENS' RESPONSES.

49

	TYPE OF ANSWER
carry it.	1 A 1
blow it.	1 A 1
blow it up for it is not heavy.	1 A 1
carries them up.	1 A 1
the air carry them.	1 A 1
it up.	1 A 1
them.	1 A 1
carry it up	1 A 1
carry it up	1 A 1
put carry them	1 A 1
takes pushes it up.	1 A 1
	1 A 1
pushes it up.	1 A 1
	1 A 1
	1 A 1
	1 A 1
	1 A 1
it up.	1 A 1
	1 A 1
	1 A 1
	1 A 1
takes it up.	1 A 1
rises it up.	1 A 1
make it.	1 A 1
it up.	1 A 1
air	1 A 1
heavy, and the air takes it up.	1 A 1
it up.	1 A 1
carry it up.	1 A 1
helps it.	1 A 1
carry it and make it go up.	1 A 1
	1 A 1

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	11	15	Ga	Accra	Female	Royal Girls Ac. Anumle	The engine
2	"	14½	"	"	"	Royal Girls Accra	The engine
3	"	15	"	"	"	"	The engine
4	"	16	"	"	"	"	The propeller
5	"	16	"	"	"	"	The wings
6	"	14	"	"	"	"	The engine
7	"	15	Fanti	Cape Coast	"	"	The engine
8	"	15½	Ga	Accra	"	"	It has an
9	"	16	Twɔ	Aburi	"	"	The engine
10	"	15	Ewe	Keta	"	"	The engine
11	"	15	Ga	Teshi	"	"	The engine
12	"	15	Ewe	Keta	"	"	The engine
13	"	17	Hausa	Achimota	"	Anumle Coast	The engine
14	"	17	Twɔ	Tantwɔ	"	"	The wind
15	"	15	Ga	Accra	"	"	The driver
16	"	17	"	"	"	"	The air
17	"	15	Twɔ	Aburi	"	"	They have
18	"	16	Ga	Accra	"	"	I do not know
19	"	15	"	"	"	Royal Girls Accra	The engine
20	"	15	"	"	"	"	The air
21	"	16	"	"	"	"	I do not know
22	"	16	"	"	"	"	The engine
23	"	15	"	"	"	"	The engine
24	"	14½	"	Labadi	"	"	It engine
25	"	16	"	Accra	"	"	The wings
26	"	17	Adangme	Osukuda	Male	X'borg Presbyt.	Its engine
27	"	15	Ga	Labadi	"	"	It has a
28	"	15	"	Accra	Female	National Accra	The engine
29	"	14	Fanti	Cape Coast	"	Wesley Girls C. coast	The wind
30	"	15	"	"	"	Method. Accra	Gias, engine
31	"	13	"	"	"	Cent. G.C. coast	The wind
32	"	16	Ga	Accra	Male	Korte Wolewa	Because of

FORM THREE

RENS' RESPONSES.

TYPE OF
ANSWER

and wings.	1 A 2
and the fan.	1 A 2
wings and engines.	1 A 2
and engine.	1 A 2
propeller and wings.	1 A 2
and wings.	1 A 2
engine and wings.	1 A 2
and wings.	1 A 2
wings and propeller.	1 A 2
wind, wings and the fan.	1 A 2
and wings wings.	1 A 2
and wing	1 A 2
and engine.	1 A 2
and the engine	1 A 2
driver and engine	1 A 2
made it in such a way that it does not fall.	1 B 7
	III 17
	1 A 2
	1 A 2
	III 17
and the wings and the propeller.	1 A 2
and wings.	1 A 2
and wings.	1 A 2
engines and propeller.	1 A 2
	1 A 2
propeller and engine	1 A 2
and propeller.	1 A 2
and its engine hold it up in the air	1 A 2
air and propeller.	1 A 2
and electric help it not to fall.	1 A 2
the propeller, wings and engines.	1 A 2

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD
1	12	15	Ga	Accra	Female	Royal Girls Accra	By talking to a
2	"	14½	"	"	"	"	I do not know.
3	"	15	"	"	"	"	By wire when
4	"	16	"	"	"	"	I do not know.
5	"	16	"	"	"	"	By the wire and
6	"	14	"	"	"	"	I do not know
7	"	15	Fanti	Cape Coast	"	"	The wire and the
8	"	15	Ga	Accra	"	"	I do not know.
9	"	16	Twi	Aburi	"	"	I do not know.
10	"	15	Ewe	Keta	"	"	The wires.
11	"	15	Ga	Teshi	"	"	By the wires.
12	"	15	Ewe	Keta	"	"	I do not know.
13	"	17	Hausa	Achumota	"	Anumle Coast	By speaking
14	"	17	Twi	Fantwi	"	"	Through the wires.
15	"	15	Ga	Accra	"	"	I do not know.
16	"	17	"	"	"	"	The sound is
17	"	15	Twi	Aburi	"	"	If a person speaks
18	"	16	Ga	Accra	"	"	It works by its
19	"	15	"	"	"	Royal Girls Accra	It works by the
20	"	15	"	"	"	"	The engines.
21	"	16	"	"	"	"	Electric.
22	"	16	"	"	"	"	The air carry
23	"	15	"	"	"	"	I do not know.
24	"	14½	"	Labadi	"	"	By electricity
25	"	16	"	Accra	"	"	It makes by
26	"	17	Adangui	Osukunda	Male	X'borg Presbyt	It works in the electric.
27	"	15	Ga	Labadi	"	"	The air carries the electric.
28	"	15	"	"	Female	National Accra	When you speak
29	"	14	Fanti	Cape Coast	"	Wesley C.C. Coast	I do not know.
30	"	15	"	"	"	Method. Accra	By electric.
31	"	13	"	"	"	Govt. Girls C. Coast	The wind carries
32	"	16	Ga	Accra	Male	Korte Wokua	It works

FORM THREE RENS' RESPONSES

51

	TYPE OF ANSWER
friend. The electric.	1 A 1
Electric.	III 17 & 1 A 1
you ring Electric.	1 A 1
Electric	III 17 & 1 A 1
the wind. Electricity.	1 A 1
Electric.	III 17 & 1 A 1
air. Electricity.	1 A 1
Electricity.	III 17 & 1 A 1
Electricity.	III 17 & 1 A 1
Electric.	1 A 1
Electricity make it.	1 A 1
The wire and electricity.	III 17 & 1 A 1
through it. The electric	1 A 1
Electric.	1 A 1
Electric.	III 17 & 1 A 1
carried in it. Electricity.	1 A 1
the sound is carried by wire. By the electric.	1 A 1
wire. Electricity.	1 A 1
air. The electric	1 A 1
	1 A 2
	1 A 1
the talk by the electric power.	1 A 1
	III 17
and the wire.	1 A 1
electric & wires	1 A 1
through the wires. Because of holes	
	1 A 1
sound to the man we speak. By	
	1 A 1
to your friend then it begin to work. The electric	1 A 1
	III 17
	1 A 1
the words of the man to another by electric power	1 A 1
through the wires By electric.	1 A 1

PUPILS NO.	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	13	15	Ga	Accra	Female	Royal Girls Accra	Because the
2	"	14½	"	"	"	"	The earth goes
3	"	15	"	"	"	"	The earth rotates.
4	"	16	"	"	"	"	Because the earth
5	"	16	"	"	"	"	It moves round
6	"	14	"	"	"	"	The earth rotates
7	"	15	Fanti	Cape Coast	"	"	Because the
8	"	15½	Ga	Accra	"	"	Because the
9	"	16	Twi	Aburi	"	"	Because the
10	"	15	Ewe	Keta	"	"	The earth moves
11	"	15	Ga	Teshi	"	"	Because the
12	"	15	Ewe	Keta	"	"	God make day
13	"	17	Hausa	Achumota	"	"	Because the
14	"	17	Twi	Tantwi	"	Anumle Court	The world moves
15	"	15	Ga	Accra	"	"	The daily rotation
16	"	17	"	"	"	"	God made it.
17	"	15	Twi	Aburi	"	"	God made day
18	"	16	Ga	Accra	"	"	Because the world
19	"	15	"	"	"	Royal Girls Accra	Because the
20	"	15	"	"	"	"	I do not know.
21	"	16	"	"	"	"	I do not know.
22	"	16	"	"	"	"	The world turn
23	"	15	"	"	"	"	The earth turns
24	"	14½	"	Kabadi	"	"	God made day
25	"	16	"	Accra	"	"	Because the
26	"	17	Adangui	Osukuda	Male	X'borg Accra	The sun move
27	"	15	Ga	Accra	"	"	The clouds
28	"	15	"	"	Female	National Accra	The night comes
29	"	14	Fanti	Cape Coast	"	Wesley C. C. Coast	Because we carries us
30	"	15	"	"	"	Method. Accra	The world moves
31	"	13	"	"	"	Govt. Girls C.C. Coast	Night comes so
32	"	16	Ga	Accra	Male	Korle Wokua	Because the

RENS' RESPONSES

TYPE OF
ANSWER

earth takes us away from the sun.

I A 2

round & turns us away from the sun.

I A 1

I A 1

moves round.

I A 1

I A 1

I A 1

world turns round.

I A 1

earth goes round & turns us away from the sun.

I A 1

world moves round.

I A 1

round.

I A 1

world goes round.

I A 1

and night.

II B 12

world goes round.

I A 1

round.

I A 1

of the earth.

I A 1

II B 12

and night.

II B 12

turns round.

I A 1

world turns round.

I A 1

III 17

III 17

round every day

I A 1

us a way from the sun.

I A 1

and night.

II B 12

world goes round.

I A 1

and make night when it goes down.

I B 8

cover the sun and make night.

III 16

by the world changing.

III 16

do not see the sun. The earth

away from it.

I A 2 & I B 8

round and night comes.

I A 1

that people can sleep & rest.

II C 14

earth moves round the sun.

I A 2

PUPILS NO.	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD —
1	14	15	Ga	Accra	Female	Royal Girls Accra	You plant seeds.
2	"	14½	"	"	"	"	We plant seeds.
3	"	15	"	"	"	"	We sow seeds.
4	"	16	"	"	"	"	By planting seeds.
5	"	16	"	"	"	"	We sow seeds.
6	"	16	"	"	"	"	We sow seeds.
7	"	15	Fanti Cape Coast	"	"	"	You plant seeds.
8	"	15	Ga Accra	"	"	"	We sow seeds.
9	"	16	Twi Aburi	"	"	"	We sow seeds.
10	"	15	Ewe Keta	"	"	"	We sow seeds.
11	"	15	Ga Teshe	"	"	"	You plant seeds.
12	"	15	Ewe Keta	"	"	"	You plant it.
13	"	17	Hausa Akimintia	"	"	Anumbe Cont	We plants the
14	"	17	Twi Tantui	"	"	"	By planting
15	"	15	Ga Accra	"	"	"	By planting
16	"	17	"	"	"	"	We plant the
17	"	15	Twi Aburi	"	"	"	We plant the
18	"	16	Ga Accra	"	"	"	By plant the
19	"	15	"	"	"	Royal Girls Accra	You sow a
20	"	15	"	"	"	"	We sow a
21	"	16	"	"	"	"	We sow seed.
22	"	16	"	"	"	"	We planted
23	"	15	"	"	"	"	We sow seeds.
24	"	14½	"	Labadi	"	"	We sow seeds.
25	"	16	"	Accra	"	"	We sow seeds.
26	"	17	Abongvi Osukunda Male	X'borg Presby	"	"	We sow seeds
27	"	15	Ga Labadi	"	"	"	You will sow.
28	"	15	Accra Female National Accra	"	"	"	By planting its
29	"	14	Fanti Cape Coast	"	"	Wesley Girls C.C.Coast	What part do
30	"	15	"	"	"	Methodist Accra	We plant the
31	"	13	"	"	"	Coast Girls D-Coast	You will sow
32	"	16	Ga Accra	"	"	Korle Wokua	We plant the
33	"	16	Ga Accra	"	"	"	We cut some

FORM THREE RENSE'S RESPONSES

53

TYPES OF
ANSWERS

1A1

1A1

1A1

1A1

1A1

1A1

1A1

1A1

1A1

1A1

1A1

What do you plant? Seeds.

1A1

seeds and by cutting the branches and ~~lay~~ planting.

1A1

seeds.

1A1

seeds.

1A1

seeds to get trees.

1A1

seeds.

1A1

seed into the soil & its branches.

1A1

seed and its branches.

1A1

seed.

1A1

1A1

seed.

1A1

1A1

and cuttings.

1A1

1A1

and sometimes branches which are cut.

1A1

the seed and cut the branch & put in the soil.

1A1

seeds. You also cut a part of it and plant.

1A1

you cut? The branch.

1A1

seed and some branches & they grow.

1A1

the seed.

1A1

seed.

1A1

plant and plant it and seed too.

1A1

PUPILS						MIDDLE	
NO.	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	15	15	Ga	Accra	Female	Royal Girls Accra	They get some
2	15	14½	"	"	"	"	They fetch food
3	"	15	"	"	"	"	They get food
4	"	16	"	"	"	"	They hold the
5	"	16	"	"	"	"	Roots suck
6	"	14	"	"	"	"	The root take
7	"	15	Fanti	Cape Coast	"	"	The roots get
8	"	14½	Ga	Accra	"	"	They suck
9	"	16	Twi	Aburi	"	"	The roots get
10	"	15	E'we	Keta	"	"	It hold the
11	"	15	Ga	Teshi	"	"	They give the
12	"	15	Ewe	Keta	"	"	They It hold it
13	"	17	Hausa	Anumle	"	Anumle Coast	They give the
14	"	17	Twi	Tantwi	"	"	Roots help the
15	"	15	Ga	Accra	"	"	It gives the
16	"	17	"	"	"	"	They give water
17	"	15	Twi	Aburi	"	"	They give water
18	"	16	Ga	Accra	"	"	They hold the
19	"	15	"	"	"	Royal Girls Accra	It gets the
20	"	15	"	"	"	"	They hold the
21	"	16	"	"	"	"	They ^{give} get it food
22	"	16	"	"	"	"	They hold the
23	"	15	"	"	"	"	They suck food
24	"	14½	"	Labadi	"	"	They hold the
25	"	16	"	Accra	"	"	They Roots get
26	"	17	Adangui	Osukuda	Male	K'borg Prabyt.	They get food
27	"	15	Ga	Labadi	"	"	It carries the
28	"	15	"	Accra	Female	National Accra	It gives the
29	"	14	Fanti	Cape Coast	"	"	It help the food from
30	"	15	"	"	"	Wesley Girls C-coast	It feeds the
31	"	13	"	"	"	Methodist Accra	The roots get
32	"	16	Ga	Accra	male	Korle Wokua	To make it

BENS' RESPONSES

TYPE OF
ANSWER

food from the soil & hold the plant.	1 A 1
from the ground.	1 A 1
for the plant.	1 A 1
plant & get food.	1 A 1
food from the ground and hold the plant firm.	1 A 1
food from the ground.	1 A 1
food from the soil.	1 A 1
food from the ground.	1 A 1
plant food from the ground.	1 A 1
plant firm.	1 A 2
plant food. They suck plant food from the ground	1 A 1
and give it food	1 A 1
plant food.	1 A 1
plant to grow and give it food	1 A 1
plant food.	1 A 1
to the plant.	1 A 2
to plants.	1 A 1
plant firmly and find food for it.	1 A 1
plant food and hold it firm.	1 A 1
plant firm.	1 A 2
and hold the plant firm.	1 A 1
plant and give it food.	1 A 1
from the soil.	1 A 1
tree and supply food and water.	1 A 1
plant food from the soil.	1 A 1
and hold the plant too.	1 A 1
food and water from the ground to the plant.	1 A 1
plant food. It hold the stem.	1 A 1
plant to stand firm and it get	1 A 1
the soil.	1 A 1
tree and it holds the the tree firm.	1 A 1
food for the plant in water form	1 A 1
stand firm & to give it water food.	1 A 1

MIDDLE

CHILD —

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD —
1	16	15	Ga	Accra	Female	Royal Girls Accra	They change into
2	"	14½	"	"	"	"	They form seeds.
3	"	15	"	"	"	"	They die and
4	"	16	"	"	"	"	To find the
5	"	16	"	"	"	"	It forms
6	"	14	"	"	"	"	For birds
7	"	15	Fanti	Cape Coast	"	"	They beautify
8	"	14½	Ga	Accra	"	"	It is for birds
9	"	16	Twi	Aburi	"	"	It form seeds
10	"	15	Ewe	Keta	"	"	I do not
11	"	15	Ga	Teshu	"	"	They beautify
12	"	15	Ewe	Keta	"	"	It form seeds.
13	"	17	Hausa	Achimota	"	Anumle Govt	For beautiful
14	"	17	Twi	Tanturi	"	"	Form making the
15	"	15	Ga	Accra	"	"	It is for insects
16	"	17	"	"	"	"	If any it will give
17	"	15	Twi	Aburi	"	"	If a tree
18	"	16	Ga	Accra	"	"	Flowers
19	"	15	"	"	"	Royal Girls Accra	Some flowers
20	"	16	"	"	"	"	I do not know.
21	"	16	"	"	"	"	I do not know.
22	"	16	"	"	"	"	They produce
23	"	15	"	"	"	"	To beautify
24	"	14½	"	Labadi	"	"	Flowers
25	"	16	"	Accra	"	"	They turn
26	"	17	Adangui	Osakuda	Male	X'borg Presley	Its for seeds.
27	"	15	Ga	Labadi	"	"	To make the
28	"	15	"	Accra	Female	National Accra	It make house
29	"	14	Fanti	Cape Coast	"	Wesley G.C. coast	Flowers are
30	"	15	"	"	"	Meth. Accra	To decorate
31	"	13	"	"	"	Govt Girl. C. Coast	They show change into
32	"	16	Ga	Accra	Male	Korte Wokoe	The scent

FORM THREE
RENS' RESPONSES

TYPE OF
ANSWER

seeds.	I A I
	I A I
form seeds.	I A I
house. They form seeds.	II C 14 & I A I
fruits.	I A I
and insects. I do not know.	I B 6 & I A I
the world. They form fruits seeds	I B 6 I A I & I B 6
and insects. I do not know.	I B 6 & II 17
I do not know. They form seeds.	III 17 & I A I
know.	III 17
the plant. I do not know.	I B 8 & III 17
	I A I
it. To make the fruit.	I B 6 & I A I
room nice. To form a seed.	II C 14 & I A I
It changes into seed.	I B 6 & I A I
plant produce flower we know	I A I
us fruit.	I A I
flower dies it will give us fruit.	I A I
produce fruit for men.	I A I
produce seeds and others don't.	I A I
	III 17
	III 17
seeds.	I A I
our house. I do not know.	II C 14 & I A I
turn into seeds.	I A I
to seeds.	I A I
The use is to get a seed.	I A I
house. beautiful. They make seeds	II C 14 & I A I
fruits. They form seed	II C 14 & I A I
the beginning of seeds	I A I
the room. It is going to bring fruit.	II C 14 & I A I
the beauty of plants. They	
seeds.	I B 6 & I A I
are sweet.	I B 6

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD
1	17	15	Ga	Accra	Female	Royal Girls Accra	When you plant
2	"	14½	"	"	"	"	The seed make
3	"	15	"	"	"	"	It begin from
4	"	16	"	"	"	"	It begin when
5	"	16	"	"	"	"	By planting
6	"	14	"	"	"	"	By planting
7	"	15	Fanti	Cape Coast	"	"	It begin
8	"	15½	Ga	Accra	"	"	It begins
9	"	16	Twi	Aburi	"	"	From a seed
10	"	15	Ewe	Keta	"	"	It begins from
11	"	15	Ga	Teshi	"	"	From the
12	"	15	Ewe	Keta	"	"	It begin when
13	"	17	Hausa	Achimota	"	Anumde Court	By planting
14	"	17	Twi	Tanturi	"	"	A tree begin
15	"	15	Ga	Accra	"	"	It begins by
16	"	17	"	"	"	"	It begins
17	"	15	Twi	Aburi	"	"	It begins
18	"	16	Ga	Accra	"	"	If you put a seed
19	"	15	"	"	"	Royal Girls Accra	It begins from
20	"	16	"	"	"	"	I don't know.
21	"	16	"	"	"	"	I don't know.
22	"	16	"	"	"	"	It begins from
23	"	15	"	"	"	"	From seed.
24	"	14½	"	Labadi	"	"	It begins from
25	"	16	"	Accra	"	"	It begins from
26	"	17	Adangbui	Osukuda	Male	X'borg Presbyt	It begins from
27	"	15	Ga	Labadi	"	"	By grow up
28	"	15	"	Accra	Female	National Accra	When you begin to
29	"	14	Fanti	Cape Coast	"	Wesley Girl. C. coast	It begin
30	"	15	"	"	"	Method. Accra	If you sow
31	"	13	"	"	"	Court. Girls C. coast	It begins from like cassava.
32	"	16	Ga	Accra	Male	Korle Wokua	They turn

FORM THREE REN'S' RESPONSES

56

TYPE OF
ANSWER

the seed.	A
the plant begin where we plant it.	A
the seed.	A
the seed is planted	A
the seed.	A
a dress seed.	A
from a seed.	A
from a seed.	A
	A
a seed.	A
seed.	A
you plant the seed.	A
the seed.	A
from the seed.	A
the seed.	A
from the seed.	A
from the seed.	A
in the ground, the radicle form root then the leaves.	A
a seed.	A
	# III 17
	III 17
a planted seed.	# I A
	A
a seed when planted.	A
the seed.	A
the seed.	A
the seed in the ground.	A
put a seed in the ground it.	A
grow.	A
from a seed.	A
the seed, you will water it daily & it will grow.	A
a seed and some also from branches	A
into a fruit.	II 16

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	18	15	Ga	Accra	Female	Royal Girls Ac	It purifies
2	"	14½	"	"	"	"	It pumps
3	"	15	"	"	"	"	My heart
4	"	16	"	"	"	"	It make
5	"	16	"	"	"	"	It pumps
6	"	15	"	"	"	"	It pump.
7	"	15	Fanti	Cape coast	"	"	It pumps
8	"	15½	Ga	Ga	"	"	It pumps
9	"	16	Twi	Aburi	"	"	It gives
10	"	15	Ewe	Keta	"	"	It pumps
11	"	15	Ga	Teshi	"	"	It pumps
12	"	15	Ewe	Keta	"	"	It make me
13	"	17	Hausa	Anumale	"	Anumale Coast	It pushes
14	"	17	Twi	Tantwi	"	"	It breathes
15	"	15	Ga	Accra	"	"	It make the
16	"	17	"	"	"	"	My heart is
17	"	15	Twi	Aburi	"	"	It purifies
18	"	16	Ga	Ga	"	"	For pumping
19	"	15	"	"	"	Royal Girls Accra	It purifies
20	"	16	"	"	"	"	It purifies
21	"	16	"	"	"	"	It purifies
22	"	16	"	"	"	"	It beat
23	"	15	"	"	"	"	It pump
24	"	14½	"	Labadi	"	"	It give
25	"	16	"	Accra	"	"	It pumps
26	"	17	Adangui	Osuludu	Male	X'borg Presby	It pumps
27	"	15	Ga	Labadi	"	"	The heart
28	"	15	"	Accra	Female	National Accr.	Is use a
29	"	14	Fanti	Cape Coast	"	Wesley G.C. coast	It keep us
30	"	15	"	"	"	Meth. Accra	It pumps
31	"	13	"	"	"	Coast. Girls Cape Coast	It make
32	"	16	Ga	Accra	Male	Korte Worke	For pumping

FORM THREE REN'S' RESPONSES

57

	TYPE OF ANSWER
my blood.	I A I
my blood to all parts of my body.	I A I
pumps blood.	I A I
me live by giving me blood.	I A I
blood.	I A I
my blood.	I A I
blood	I A I
blow.	I A I
me blood.	I A I
blood.	I A I
blood	I A I
breathe.	I A I
blood to all parts of my body.	I A I
in air.	III 16
blood gives to my body.	I A I
to purifies the blood	I A I
the blood.	I A I
the blood.	I A I
and shares the blood.	I A I
blood.	I A I
blood.	I A I
blood all over the body & purify it	I A I
blow.	I A I
and purify blood.	I A I
the blood.	I A I
blood	I A I
pump the blood through the skin.	I A I
pumpinig station to the blood.	I A I
alive	III 16
blood	I A I
me live	III 16
blood.	I A I

PART II							MIDDLE CHILD
PUPILS NO.	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	
1	1	15	Ga	Accra	Female	Royal Girls Accra	It move by
2	"	14½	"	"	"	"	Up and down
3	"	15	"	"	"	"	It move up
4	"	16	"	"	"	"	It moves
5	"	16	"	"	"	"	I move it up
6	"	15	"	"	"	"	My bone and
7	"	15	Fanti	Cape Coast	"	"	I move it up
8	"	15½	Ga	Accra	"	"	Up and down.
9	"	16	Twi	Aburi	"	"	I move it
10	"	15	Ewe	Keta	"	"	I move it up
11	"	15	Ga	Teshi	"	"	I move it up
12	"	15	Ewe	Keta	"	"	Quickly. My
13	"	17	Hausa	Anumte	"	Anumte Govt.	It moves up
14	"	17	Twi	Tantwi	"	"	Like an
15	"	15	Ga	Accra	"	"	It moves up
16	"	17	"	"	"	"	It moves by
17	"	15	Twi	Aburi	"	"	It moves by
18	"	16	Ga	Accra	"	"	The veins and
19	"	15	"	"	"	Royal Girls Accra	The muscles
20	"	15	"	"	"	"	Myself make
21	"	16	"	"	"	"	I make it.
22	"	16	"	"	"	"	My strong & bone
23	"	15	"	"	"	"	My strong,
24	"	14½	"	Labadi	"	"	My veins
25	"	16	"	Accra	"	"	Veins and
26	"	17	Adangwe	Osukunda	"	X'borg Presbyt.	My strength
27	"	15	Ga	Labadi	Male	"	By blood they
28	"	16	"	"	"	National Accra	The nerves
29	"	14	Fanti	Cape Coast	Female	Wesley C. coast	Strong and
30	"	15	"	"	"	Method. Accra	The blood
31	"	13	"	"	"	Govt. Girl Coast	The joints and the
32	"	16	Ga	Accra	Male	Korle Wokua	Vein and

FORM THREE RENS RESPONSES

TYPE OF
ANSWER

my power and bone & vein	1 B 7 & 1 A 2
The bone and the vein.	1 A 2
and down. The veins	1 A 2
because I move it by my power & the veins	1 A 2
and down. The bone and the veins.	1 B 7 & 1 A 2
veins.	1 A 2
and down. My strength & bones.	1 B 7 & 1 A 2
My strong and vein	1 A 2
quickly. Because of my power, bone & veins.	1 B 7 & 1 A 2
and down. ^{Because of} my power, bone & veins.	1 B 7 & 1 A 2
and down. My power.	1 B 7
strength, bone & muscles.	1 A 1
and down. The bone and the veins.	1 A 2
earthworm. I made it move.	1 A 5 & 1 B 7
and down. The muscles & veins	1 A 2
me. The bone here.	1 B 7
the spring in it.	1 A 5
the muscles.	1 A 2
and the veins	1 A 2
it move.	1 B 7
	1 B 7
and muscles.	1 A 2 & 1 B 7
bone and muscles.	1 B 7 & 1 A 1
and blood.	1 B 7 & 1 A 2
the blood.	1 A 2
veins and blood.	1 B 7 & 1 A 2
can move.	1 A 2 & 1
	1 A 2
nerves make the finger move.	1 A 2
	1 A 2
ropes on the finger make it move.	1 A 2
blood.	1 A 2

PART II

MIDDLE

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD —
1	2	15	Ga	Accra	Female	Royal Girls Accra	The blood
2	"	14½	"	"	"	"	Blood
3	"	15	"	"	"	"	Blood
4	"	16	"	"	"	"	Blood
5	"	16	"	"	"	"	The blood
6	"	15	"	"	"	"	Blood
7	"	15	Fanti	Cape Coast	"	"	Blood
8	"	14½	Ga	Accra	"	"	Blood
9	"	16	Twi	Aburi	"	"	The blood.
10	"	15	Ewe	Keta	"	"	Blood.
11	"	15	Ga	Teshi	"	"	Blood.
12	"	15	Ewe	Keta	"	"	Blood
13	"	17	Hausa	Achimota	"	Anumle Coast	The blood
14	"	17	Twi	Tantwi	"	"	Because
15	"	15	Ga	Accra	"	"	The light
16	"	17	"	"	"	"	Because of
17	"	15	Twi	Aburi	"	"	Because of
18	"	16	Ga	Accra	"	"	Because of
19	"	15	"	"	"	Royal Girls Accra	Because
20	"	15	"	"	"	"	The light
21	"	16	"	"	"	"	The light
22	"	16	"	"	"	"	The blood
23	"	15	"	"	"	"	The blood
24	"	14½	"	Labadli	"	"	Blood
25	"	16	"	Accra	"	"	Blood
26	"	17	Adangori	Ozukuada	Male	X'borg Presby.	Because
27	"	15	Ga	Labadli	"	"	The blood
28	"	16	"	Accra	Female	National Accra	Blood
29	"	14	Fanti	Cape Coast	"	Wesley Cape Coast	Blood
30	"	15	"	"	"	Meth. Accra	The blood
31	"	13	"	"	"	Coast Girls C. coast	The blood
32	"	16	Ga	Accra	Male	Korle Wokua	The blood.

THREE
RENS' RESPONSESTYPE OF
ANSWER

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

III 15

| A |

| A |

| A |

| A |

III 15

III 15

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

in my finger.

of my blood.

make it.

the blood.

the blood.

the blood inside my finger.

there is blood inside your finger.

of the blood.

in the hand makes it red.

PUPILS NO	PART II						MIDDLE
	QUEST.	AGE	TRIBE	TOW	SEX	SCHOOL	CHILD
1	3	15	Ga	Accra	Female	Royal Girls Accra	It will come
2	"	14½	"	"	"	"	It will flow
3	"	15	"	"	"	"	The water will
4	"	16	"	"	"	"	The water
5	"	16	"	"	"	"	The water
6	"	15	"	"	"	"	The water
7	"	15	Fanti	Cape Coast	"	"	The water
8	"	14½	Ga	Accra	"	"	It will
9	"	16	Twɔ	Aburi	"	"	It will
10	"	15	Ewe	Keta	"	"	It will
11	"	15	Ga	Teshi	"	"	It will
12	"	15	Ewe	Keta	"	"	It will
13	"	17	Hausa	Achimota	"	Asummate Coast	It will
14	"	17	Twɔ	Tanturi	"	"	The water
15	"	15	Ga	Accra	"	"	The water
16	"	17	"	"	"	"	The water
17	"	15	Twɔ	Aburi	"	"	It will rise
18	"	16	Ga	Accra	"	"	It will rise
19	"	15	"	"	"	Royal Girls Accra	It will fall
20	"	15	"	"	"	"	The water
21	"	16	"	"	"	"	The water
22	"	16	"	"	"	"	The water
23	"	15	"	"	"	"	The water
24	"	14½	"	Labadi	"	"	The water
25	"	16	"	Accra	"	"	The water
26	"	17	Adangwe	Osudoku	Male	X'burg Presbyt.	It will
27	"	15	Ga	Labadi	"	"	The water
28	"	16	"	Accra	Female	National Accra	It will
29	"	14	Fanti	Cape Coast	"	Wesley Girls C Coast	The water
30	"	15	"	"	"	Methodist Accra	The water
31	"	13	"	"	"	West Girls C Coast	The water
32	"	16	Ga	Accra	Male	Korte Wokua	It will

FORM THREE

REN'S RESPONSES

TYPE OF ANSWER

up and fall.	1 A 1
down.	1 A 1
fall	1 A 1
will flow	1 A 1
will flow down.	1 A 1
will fall down.	1 A 1
will over-flow.	1 A 1
come up.	1 A 1
over flow.	1 A 1
come up.	1 A 1
come up and fall.	1 A 1
come up.	1 A 1
come down.	1 A 1
will fall.	1 A 1
will fall down.	1 A 1
will fall down.	1 A 1
up. The water will fall.	1 A 1
up.	1 A 1
off.	1 A 1
will fall off.	1 A 1
will fall.	1 A 1
will fall.	1 A 1
will fall to the ground.	1 A 1
will fall off.	1 A 1
will fall.	1 A 1
through down.	1 A 1
will flow down.	1 A 1
come down the pan.	1 A 1
will fall in the pan	1 A 1
will fall flow	1 A 1
will fall over	1 A 1
flow down.	1 A 1

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD
1	4	15	Ga	Accra	Female	Royal Girls Accra	The pebble
2	"	14½	"	"	"	"	The thing
3	"	15	"	"	"	"	The thing
4	"	16	"	"	"	"	The pebble
5	"	16	"	"	"	"	It is
6	"	14	"	"	"	"	The pebble
7	"	15	Fanti	Cape Coast	"	"	The pebble
8	"	15½	Ga	Accra	"	"	The thing
9	"	16	Twi	Aburi	"	"	The thing
10	"	15	Ewe	Keta	"	"	The thing
11	"	15	Ga	Teshi	"	"	The pebble
12	"	15	Ewe	Keta	"	"	It is
13	"	17	Nusa	Achimota	"	Anumle Court	Because
14	"	17	Twi	Tantwi	"	"	Because the
15	"	15	Ga	Accra	"	"	Because you
16	"	17	"	"	"	"	The thing
17	"	15	Twi	Aburi	"	"	The thing
18	"	16	Ga	Accra	"	"	The thing
19	"	15	"	"	"	Royal Girls Accra	It is
20	"	16	"	"	"	"	The thing
21	"	16	"	"	"	"	The thing
22	"	16	"	"	"	"	The pebble
23	"	15	"	"	"	"	The water
24	"	14½	"	Labadi	"	"	The heavy
25	"	16	"	Accra	"	"	A heavy
26	"	17	Adangwe	Osukuda	Male	X'borg-Presept	Because
27	"	15	Ga	Labadi	"	"	Because the
28	"	15	"	Accra	Female	National Accra	The thing is
29	"	14	Fanti	Cape Coast	"	Wesley Girl C. Co.	The thing the chance
30	"	15	"	"	"	Method. Accra	The pebble
31	"	13	"	"	"	Govt. Girls C. Coast	Because the
32	"	16	Ga	Accra	male	Korle Wokua	Its weight has

FORM THREE RENS' RESPONSES

61

	TYPE OF ANSWER
is heavy.	1 A B
is heavy.	1 A B
is heavy.	1 A B
is heavy.	1 A 2
heavy.	1 A 2
is heavy.	1 A 2
is heavy.	1 A 2
is heavy and push the water up.	1 A 1
in it is heavy.	1 A 2
is push the <u>water</u> .	1 A 1
is heavy.	1 A 2
heavy.	1 A 2
something heavy is in it.	1 A 2
thing is heavy.	1 A 2
put something in it.	1 A 2
is heavy. which is in it.	1 A 2
is heavy.	1 A 2
is heavy which is in it.	1 A 2
heavy.	1 A 2
is heavy.	1 A 2
is heavy.	1 A 2
is heavy.	1 A 2
will fall to the ground.	1 A 2
thing is put in.	1 A 2
thing is put in the water.	1 A 2
the heavy of the pebble make it.	1 A 2
stick has weight.	1 A 2
heavy.	1 A 2
is heavy = and so it takes the of water which fall out.	1 A 1
in it is heavy.	1 A 2
pebble is occupies the place of water.	1 A 1
pressed the water to come up.	1 A 1

PART II

MIDDLE

PUPILS NO	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	5	15	Ga	Accra	Female	Royal Girls Accra	The water
2	"	14½	"	"	"	"	It will come to
3	"	15	"	"	"	"	It will come up
4	"	16	"	"	"	"	It will come up.
5	"	16	"	"	"	"	It will come up
6	"	14	"	"	"	"	It will come up
7	"	17	Fanti	Cape Coast	"	"	It will come to
8	"	15½	Ga	Accra	"	"	The water will
9	"	16	Twi	Aburi	"	"	It will come here.
10	"	15	Ewe	Keta	"	"	It will come to
11	"	15	Ga	Teshi	"	"	It will come here.
12	"	15	Ewe	Keta	"	"	It will come to
13	"	17	Hausa	Achimota	"	Anumake Govt	It will come up.
14	"	17	Twi	Tanturi	"	"	It will come up.
15	"	15	Ga	Accra	"	"	It will come to
16	"	17	"	"	"	"	It will come here.
17	"	15	Twi	Aburi	"	"	It will come
18	"	16	Ga	Accra	"	"	It will come
19	"	15	"	"	"	Royal Girls Accra	It will come here.
20	"	16	"	"	"	"	The water will
21	"	16	"	"	"	"	It will come
22	"	15	"	"	"	"	It will come
23	"	15	"	"	"	"	It will come
24	"	14½	"	Labadi	"	"	It will come
25	"	15	"	Accra	"	"	It will come
26	"	16	"	"	"	"	

FORM THREE

62

RENS' RESPONSES

TYPE OF
ANSWER

will come up here. It has a U shape.	A
this side. It is round at the bottom.	A
to this side. It is round.	A
It is round	A
It is round down here.	A
to this side. It is round at the bottom.	A
this side. It is round down.	A
come to this end. Its bottom is round.	A
It is round at the bottom.	A
this side. It is the same hole.	A
It is the same thing.	A
this end. It is the same tube.	A
Because the tube is round down.	A
Because the tube is round down here.	A
this side. It is round at the bottom.	A
It is round at the bottom.	A
to this side. It is round down here.	A
to this point. Because it is round.	A
It is round.	A
come to this side. The bottom is round.	A
up. The ^{It} bottom is round.	A
to this end. It has a round bottom.	A
to this side. It is round.	A
to this side. It is round at the bottom.	A
to this side It is round at the bottom.	A

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD —
1	6	15	Ga	Accra	Female	Royal Girls Accra	It has air
2	"	14½	"	"	"	"	There is
3	"	15	"	"	"	"	It has air
4	"	16	"	"	"	"	Air is in
5	"	16	"	"	"	"	Air is in
6	"	14	"	"	"	"	It has air
7	"	15	Fanti	Cape Coast	"	"	Air is in
8	"	14½	Ga	Accra	"	"	Air cannot
9	"	16	Twi	Aburi	"	"	There is air
10	"	15	Ewe	Keta	"	"	Air is in.
11	"	15	Ga	Teshi	"	"	Air is in
12	"	15	Ewe	Keta	"	"	Air is in
13	"	17	Hausa	Achimota	"	Anumale Girls	Because the
14	"	17	Twi	Tantwi	"	"	Because
15	"	15	Ga	Accra	"	"	The air in
16	"	17	"	"	"	"	Air is in,
17	"	15	Twi	Aburi	"	"	Air is in
18	"	16	Ga	Accra	"	"	There is
19	"	15	"	"	"	Royal Girls Accra	Because
20	"	16	"	"	"	"	It has air
21	"	16	"	"	"	"	You lock it
22	"	16	"	"	"	"	Air is in this
23	"	15	"	"	"	"	Air is in the
24	"	14½	"	Labadi	"	"	It has air
25	"	16	"	Accra	"	"	Air is in

FORM THREE RENS' RESPONSES

63

	TYPE OF ANSWER
in.	1 A 1
air in it.	1 A 1
inside it.	1 A 1
it.	1 A 1
its.	1 A 1
in.	1 A 1
it.	1 A 1
allow water in.	1 A 1
in it.	1 A 1
	1 A 1
it	1 A 1
it.	1 A 1
hand lock it.	1 A 4
you lock it	1 A 4
is the thing which stop the water.	1 A 1
	1 A 1
it.	1 A 1
air in.	1 A 1
it has air.	1 A 1
in it.	1 A 1
and that keep air in it.	1 A 1
end.	1 A 1
other end side.	1 A 1
in it.	1 A 1
it.	1 A 1

PART II

MIDDLE

PUPILS NO.	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD	
1	7	15	Ga	Accra	Female	Royal Girls Accra	Air.	Air.
2	"	14½	"	"	"	"	Air.	Air.
3	"	15	"	"	"	"	The air.	Air
4	"	16	"	"	"	"	Air.	Air.
5	"	16	"	"	"	"	Air.	Air.
6	"	14	"	"	"	"	Air.	Air.
7	"	15	Fanti	Cape Coast	"	"	Air.	Air.
8	"	15½	Ga	Accra	"	"	Air.	Air.
9	"	16	Twi	Aburi	"	"	Air.	Air.
10	"	15	Ewe	Keta	"	"	Air.	Air.
11	"	15	Ga	Teshi	"	"	Air.	Air.
12	"	15	Ewe	Keta	"	"	Air.	Air.
13	"	17	Hausa	Achimota	"	Anumale Court.	Air.	Air.
14	"	17	Twi	Tantwi	"	"	Air.	Air.
15	"	15	Ga	Accra	"	"	Air.	Air.
16	"	17	"	"	"	"	Air.	Air.
17	"	15	Twi	Aburi	"	"	Air	Air.
18	"	16	Ga	Accra	"	"	Air.	
19	"	15	"	"	"	Royal Girls Accra X'borg Presbyt.	Air.	Air.
20	"	16	"	"	"	"	Air	Air.
21	"	16	"	"	"	"	Air.	Air
22	"	16	"	"	"	"	Air.	Air.
23	"	15	"	"	"	"	Air.	Air.
24	"	14½	"	Labadi	"	"	Air.	Air.
25	"	16	"	Accra	"	"	Air.	Air.
26	"	17	Ashanti	Osukenda	Male	X'borg Presby	The air.	
27	"	15	Ga	Labadi	"	"	Air.	
28	"	15	"	Accra	Female	National Acc.	Air.	Air.
29	"	14	Fanti	C. Coast	"	Wesley C. Coast	Air.	Air.
30	"	15	"	"	"	Meth. Accra	The air.	
31	"	13	"	"	"	Court G. C. coast	Air	
32	"	16	Ga	Accra	Male	Korte Wokua	Air	Air

RENS' RESPONSES.

TYPE OF
ANSWER

|A|

|A|

|A|

|A|

|A|

|A|

|A|

|A|

|A|

|A|

|A|

|A|

|A|

|A|

|A|

|A|

|A|

It contains air

|A|

|A|

|A|

|A|

|A|

|A|

|A|

|A|

Air.

|A|

Nothing is in them.

|A2

|A|

|A|

Air.

|A|

Air is in the bubbles.

|A|

|A|

PART II

MIDDLE

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	9	15	Ga	Accra	Female	Royal Girls Accra	It is
2	"	14½	"	"	"	"	The air
3	"	15	"	"	"	"	It is
4	"	16	"	"	"	"	It is
5	"	16	"	"	"	"	The ball
6	"	14	"	"	"	"	It is
7	"	15	Fanti	Cape Coast	"	"	It is
8	"	15½	Ga	Accra	"	"	It is
9	"	16	Twɔ	Aburi	"	"	It is
10	"	15	Ewe	Keta	"	"	It is
11	"	15	Ga	Teshi	"	"	The ball
12	"	15	Ewe	Keta	"	"	The ball
13	"	17	Hausa	Achimota	"	Anumle Govt	The ball
14	"	17	Twɔ	Tantwi	"	"	It is
15	"	15	Ga	Accra	"	"	The wind
16	"	17	"	"	"	"	The air
17	"	15	Twɔ	Aburi	"	"	The air
18	"	16	Ga	Accra	"	"	It is
19	"	15	"	"	"	Royal Girls Accra	Because
20	"	16	"	"	"	"	Because the
21	"	16	"	"	"	"	It is
22	"	16	"	"	"	"	The ball
23	"	15	"	"	"	"	It can't
24	"	14½	"	"	"	"	It is heavy.
25	"	16	"	"	"	"	Because
26	"	17	Adangwe	Osukunda	Male	X'borra Presbyt.	It is
27	"	15	Ga	Accra	"	"	I do not
28	"	15	"	"	Female	National Accra	It is
29	"	14	Fanti	Cape Coast	"	Wesley Girls C. Coast	Because
30	"	15	"	"	"	Methodist Accra	The air
31	"	13	"	"	"	Govt Girls C. Coast	Because
32	"	16	Ga	Accra	Male	Kotte Wokua	The air

FORM THREE

65

RENS' RESPONSES.

TYPE OF
ANSWER

heavy.	I A 2
push it down.	III 16
heavy.	I A 2
heavy.	I A 2
is heavy.	I A 2
heavy.	I A 2
heavy.	I A 2
heavy.	I A 2
heavy.	I A 2
is heavy.	I A 2
is heavy.	I A 2
It is ^{not} heavy.	I A 2
heavy.	I A 2
pushes it.	III 16
will bring it down.	III 16
will bring it down.	III 16
heavy.	I A 2
the air blows it down.	III 15
air blows it & let it fall.	III 15
heavy.	I A 2
is heavy.	I A 2
stay up as it is heavy.	I A 2
	I A 2
it is heavy.	I A 2
heavy that than air.	I A 1
know.	III 17
heavy than air.	I A 1
it is heavy and the air cant hold it.	I A 1
push it down.	III 16
there is nothing to keep it up.	III 16
forces it down.	III 16

PART II

MIDDLE

PUPILS NO.	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD
1	10	15	Ga	Accra	Female	Royal Girls Accra	The air
2	"	14½	"	"	"	"	The air
3	"	15	"	"	"	"	The air
4	"	16	"	"	"	"	The air
5	"	16	"	"	"	"	The air
6	"	14	"	"	"	"	Air makes
7	"	15	Fanti	Cape Coast	"	"	Air blows
8	"	15½	Ga	Accra	"	"	The air
9	"	16	Twi	Aburi	"	"	The air
10	"	15	Ewe	Keta	"	"	The air
11	"	15	Ga	Teshi	"	"	The air
12	"	15	Ewe	Keta	"	"	The air
13	"	17	Hausa	Achimota	"	Anumale Court	The wind
14	"	17	Twi	Tantwi	"	"	Because
15	"	15	Ga	Accra	"	"	Because
16	"	17	"	"	"	"	Because
17	"	15	Twi	Aburi	"	"	It jumps
18	"	16	Ga	Accra	"	"	Because of
19	"	15	"	"	"	Royal Girls Accra	The air.
20	"	16	"	"	"	"	Because
21	"	16	"	"	"	"	It is not
22	"	16	"	"	"	"	The air
23	"	15	"	"	"	"	Air pushes
24	"	14½	"	Kabadi	"	"	The air
25	"	16	"	Accra	"	"	The air
26	"	17	Adangwei	Osukudda	Male	K'berg Presby.	The air
27	"	15	Ga	Accra	"	"	Because it
28	"	15	"	"	Female	National Accra	The air
29	"	14	Fanti	Cape Coast	"	Wesley C. Coast	It moves
30	"	15	"	"	"	Meth. Accra	The air
31	"	13	"	"	"	Court Cape Coast	It is
32	"	16	Ga	Accra	Male	Korle Wokua	Because

FORM THREE
RENS' RESPONSES.

66

TYPE OF
ANSWER

push it.	A
push it.	A
pushes it.	A
push it.	A
pushes it.	A
it go.	A
it down there.	A
blows.	A
move it.	A
move it to that place.	A
push it there.	A
push it.	A
blows it	A
it is hard.	A
of the wind.	A
of the air.	A
and the air pushes it to one side.	B 6 & A
the material which it is made of.	15
	A
it is not too heavy.	15
heavy and air can blow it.	A
push it to this side.	A
it.	A
push it.	A
is ph push it.	A
blows it.	A
is jumping and you make it move.	B 6 & A 4
makes it move.	A
because the wind blows it.	A
move it.	A
because the air blows it.	A
it is round.	B 6

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	11	15	Ga	Accra	Female	Royal Girls Accra	It is
2	"	14½	"	"	"	"	It is
3	"	15	"	"	"	"	It is
4	"	16	"	"	"	"	It is
5	"	16	"	"	"	"	It is
6	"	14	"	"	"	"	It is
7	"	15	Fanti	Cape Coast	"	"	It is
8	"	15½	Ga	Accra	"	"	The paper
9	"	16	Twi	Aburi	"	"	The one
10	"	15	Ewe	Keta	"	"	It is
11	"	15	Ga	Teshi Accra	"	"	The paper
12	"	15	Ewe	Keta	"	"	This is
13	"	17	Hausa	Achimota	"	Anumke Court	Because
14	"	17	Twi	Tantwi	"	"	The folded
15	"	15	Ga	Accra	"	"	It is
16	"	17	"	"	"	"	Because
17	"	15	Twi	Aburi	"	"	The air
18	"	16	Ga	Accra	"	"	Because
19	"	15	"	"	"	Royal Girls Ac.	The air
20	"	16	"	"	"	"	It is
21	"	16	"	"	"	"	Because
22	"	16	"	"	"	"	It is
23	"	15	"	"	"	"	It is
24	"	14½	"	Labadi	"	"	It is
25	"	16	"	Accra	"	"	Because
26	"	17	Adangui	Osukoda	Male	X'borg Presbyt	Air can
27	"	15	Ga	Labadi	"	"	It is
28	"	15	"	Accra	Female	National Accra	The air
29	"	14	Fanti	C. coast	"	W. G. Cape Coast	The air
30	"	15	"	"	"	Method. Accra	The crumpled
31	"	13	"	"	"	Govt Girl C. coast	It is folded
32	"	16	Ga	Accra	Male	Korle Wokua	Because

RENS' RESPONSES

TYPE OF
ANSWER

heavy.	III 15
heavier.	III 15
heavier.	III 15
heavier.	III 15
heavy.	III 15
heavy.	III 15
heavier.	III 15
is heavy.	III 15
is heavy.	III 15
heavy.	III 15
is heavy.	III 15
heavy.	III 15
you made it so	IA 4
one because air can't hold it.	IA 1
heavier.	III 15
air goes in it & make it go down.	III 15
push it down.	III 15
it is not flat.	IA 2
cannot hold it.	IA 1
heavy.	III 15
it is heavy.	III 15
heavy.	III 15
heavy.	III 15
heavy.	III 15
it is heavy.	III 15
not blow it about.	IA 1
heavy.	III 15
cannot hold it up.	IA 1
cannot hold it.	IA 1
one is heavy.	III 15
and the air cannot support it.	IA 1
the air can't support it.	IA 1

PART II

MIDDLE CHILD -

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	12	15	Ga	Accra	Female	Royal Girls Accra	All. Because
2	"	14½	"	"	"	"	Both. They have
3	"	15	"	"	"	"	Both. They have
4	"	16	"	"	"	"	Both. They have
5	"	16	"	"	"	"	Both. They are
6	"	14	"	"	"	"	Lead. It is more
7	"	15	Fanti	Cape Coast	"	"	Both. They are
8	"	15½	Ga	Accra	"	"	All. They are
9	"	16	Twi	Aburi	"	"	Lead - Both
10	"	15	Ewe	Keta	"	"	Lead. It is
11	"	15	Ga	Accra	"	"	Both. Because
12	"	15	Ewe	Keta	"	"	All. Because
13	"	17	Hausa	Anumile	"	Anumile Govt	All. They are
14	"	17	Twi	Tantwi	"	"	Both will fall at
15	"	15	Ga	Accra	"	"	Both fall together
16	"	17	"	"	"	"	Both. Because
17	"	15	Twi	Aburi	"	"	Lead. Because
18	"	16	Ga	Accra	"	"	Both. Because
19	"	15	"	"	"	Royal G. Accra	Both. Because
20	"	16	"	"	"	"	Both. Because
21	"	16	"	"	"	"	All. They are the
22	"	16	"	"	"	"	All will fall at once.
23	"	15	"	"	"	"	Both will fall at once.
24	"	14½	"	Labadi	"	"	All will fall at once.
25	"	16	"	Accra	"	"	All will fall make a big
26	"	17	Adangui	Osukuda	Male	X'borg Presbyt.	Lead - Both.
27	"	15	Ga	Abura ^{Abura}	"	"	All. They are the
28	"	15	"	"	Female	National Accra	Both. They are
29	"	14	Fanti	Cape Coast	"	Wesley Girls Cape Coast	Lead. It is
30	"	15	"	"	"	Methodist G. Accra	Lead. The lead
31	"	13	"	"	"	Govt. Girls Cape Coast	Both. They are
32	"	16	Ga	Accra	Male	Korte Wokusa	Both. They are

FORM THREE RENS' RESPONSES.

68

TYPE OF
ANSWER

they are equal. Together.	I A I
the same weight. At once.	I A I
the same weight. They have fall together.	I A I
weight. They fall together.	I A I
equal in size. They fall at once.	I A I
heavy. Lead make ^{more} big sound.	III 15
equal. They make a big sound.	I A I
equal. They fall together.	I A I
They are equal. They fall together.	# I A I
heavy. Lead makes more sand than wood.	III 15
they are equal. They fall together.	I A I
they are equal. They hit together.	I A I
equal. They hit together.	I A I
once. Both are equal. They fall together.	I A I
Because they are equal. They fall at once.	I A I
they are equal. They fall at once.	I A I
it is heavy. They hit with a big noise.	III 15
they are heavy. They fall together.	I A I
they are heavy. They fall together. at once.	I A I
of the size. They At once.	I A I
same size. They fall together.	I A I
They are the same. Together with a heavy noise.	I A I
They are the same. Together.	I A I
They are equal. They fall together.	I A I
together. - Lead Because it is heavy. Lead noise than wood.	III 15
They are equal. They hit the ground loudly.	I A I
same. They make too much noise.	I A I
equal. They make much noise.	I A I
heavier. Lead makes a heavy noise.	III 15
is heavier. The lead makes more noise.	III 15
equal. They fall at once.	I A I
the same size. They will fall ^{on the paper} together & at once.	I A I

PART II

PUPILS NO.	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD
1	13	15	Ga	Accra	Female	Royal Girls Accra	The lid hold
2	"	14½	"	"	"	"	Because it
3	"	15	"	"	"	"	Because it
4	"	16	"	"	"	"	The edges
5	"	16	"	"	"	"	The edges
6	"	14	"	"	"	"	Because of
7	"	15	Fanti	Cape Coast	"	"	The edges
8	"	15½	Ga	Accra	"	"	The force
9	"	16	Twi	Aburi	"	"	The corners
10	"	15	Ewe	Keta	"	"	The corners
11	"	15	Ga	Teshi	"	"	Because of
12	"	15	Ewe	Keta	"	"	It is
13	"	17	Hausa	Anumale	"	Anumale Govt.	Because
14	"	17	Twi	Tantwi	"	"	Because of
15	"	15	Ga	Accra	"	"	Because the
16	"	17	"	"	"	"	The edges
17	"	15	Twi	Aburi	"	"	The edges
18	"	16	Ga	Accra	"	"	Because
19	"	15	"	"	"	Royal Girls Accra	Because
20	"	16	"	"	"	"	The ends
21	"	16	"	"	"	"	Because it
22	"	16	"	"	"	"	Because of
23	"	15	"	"	"	"	The corners
24	"	14½	"	Labadi	"	"	The ends
25	"	16	"	Accra	"	"	The corners
26	"	17	Adangwe	Asakuma	Male	X'borg Presbyt	The air
27	"	15	Ga	Accra	"	"	The cigarette
28	"	15	"	"	Female	National Accr.	Because of
29	"	14	Fanti	Cape Coast	"	Wesley G. & Coast	The air
30	"	15	"	"	"	Meth. Accra	The penny
31	"	13	"	"	"	Govt Girls C. coast	The air
32	"	16	Ga	Accra	Male	Korle Wokua	Because

FORM THREE RENS' RESPONSES

69

TYPE OF
ANSWER

it.	1 B 6
is flat.	1 B 6
go up and down.	III 15
hold it.	1 B 6
of the lid.	1 B 6
the edges of the lid.	1 B 6
of the lid hold it.	1 B 6
of the lid air on the lid and the penny	1 B 6 / A 1
of the lid.	1 B 6
hold the penny.	1 B 6
the lid and the penny.	1 B 6
because of the edges of the rope.	1 B 6
the edges are not flat.	1 B 6
the lid	1 B 6
lid has corners.	1 B 6
of the cigarette cup.	1 B 6
and the string.	1 B 6
of the string.	1 B 6
the lid has corners.	1 B 6
of the lid hold it.	1 B 6
move up and down.	III 15
the corners of the lid.	1 B 6
of the lid and the string.	1 B 6
of the string.	1 B 6
of the lid.	1 B 6
press the penny on the lid.	1 A 1
lid save it from falling.	1 B 6
this thing (lid).	III 15
press it on the lid.	1 A 1
is heavy and the brim of the lid hold it.	1 B 6
push the penny to the lid.	1 A 1
it is flat.	1 B 6

PUPILS NO	QUEST.	PART II					MIDDLE CHILD
		AGE	TRIBE	TOWN	SEX	SCHOOL	
1.	14	15	Ga	Accra	Female	Royal Girls Accra	Because you
2.	"	14½	"	"	"	"	Because of
3.	"	15	"	"	"	"	Because the
4.	"	16	"	"	"	"	Because it
5.	"	16	"	"	"	"	You move
6.	"	14	"	"	"	"	The hand
7.	"	15	Fanti	Cape Coast	"	"	The swing
8.	"	15½	Ga	Accra	"	"	Because you
9.	"	16	Twi	Aburi	"	"	Because you
10.	"	15	Ewe	Keta	"	"	You swing
11.	"	15	Ga	Teshi	"	"	Because
12.	"	15	Ewe	Keta	"	"	Because
13.	"	17	Hausa Achimota	Accra	"	Anumale Coast	Because it
14.	"	17	Twi	Tantwi	"	"	Because of
15.	"	15	Ga	Accra	"	"	The money
16.	"	17	"	"	"	"	The air
17.	"	15	Twi	Aburi	"	"	The air
18.	"	16	Ga	Accra	"	"	Because
19.	"	15	"	"	"	Royal Girls Accra	Because
20.	"	16	"	"	"	"	Because
21.	"	16	"	"	"	"	You rolled
22.	"	16	"	"	"	"	You roll
23.	"	15	"	"	"	"	You move
24.	"	14½	"	Labadi	"	"	Because
25.	"	16	"	Accra	"	"	Because
26.	"	17	Adangwi	Osuakudu	Male	X'borg Presby	Because
27.	"	15	Ga	Labadi	"	"	Because
28.	"	15	"	Accra	Female	National Accra	It is
29.	"	14	Fanti	Cape Coast	"	Wesley C. Coast	Because
30.	"	15	"	"	"	Meth. Accra	The air
31.	"	13	"	"	"	Coast & C. Coast	Because the air too
32.	"	16	Ga	Accra	Male	Korle Wokua	Because

FORM THREE. RENS' RESPONSES.

70

TYPE OF
ANSWER

swing your hand.

1 A 4

the rope.

1 B 6

rope moves fast

1 B 6

move round quickly.

1 A 2

your hand quickly.

1 A 4

moves quickly.

1 A 4

make it go up.

1 A 4

swing it

1 A 4

turn it quickly.

1 A 4

your hand.

1 A 4

you swing your hand quickly.

1 A 4

you swing the rope.

1 A 4

is not heavy.

III 15

the wind

III 15

makes it heavy so it goes round.

1 B 6

blows it.

III 16

blows it.

III 16

of the air.

III 15

of the air in it.

III 15

you roll it.

1 A 4

it quickly.

1 A 4

it

1 A 4

it quickly.

1 A 4

you wound it.

1 A 4

you move it quick.

1 A 4

of the penny.

III 15

of the air.

III 15

because of the penny.

III 15

you move your hand.

1 A 4

the thread and your hand make it.

1 B 6 & 1 A 4

you swing your hand and so holds it.

1 A 4

of its weight.

III 15

TABULATED

RESPONSES

QUESTIONS	1A1	1A2	1A3	1A4	1A5	1B6	1B7	1B8	TRICKERY
1						4			
2				4		1			
3	2								29
4	22					1		1	
5	9	2				3			
6	20	1						1	
7		4						25	
8	25								
9	14								
10	32								
11		29					1		
12	29	1							
13	19	3						2	
14	32								
15	29	3							
16	26					7		1	
17	29								
18	29								

PART II

1	2	24			2		14		
2	29								
3	32								
4	5	27							
5	25								
6	25								
7	31	1							
8									
9	3	19							
10	28			1		3			
11	7	1		1					
12	26								
13	4					25			
14		1		18		4			

Middle Form ThreeEnvironment

In this class, most of the pupils interviewed are girls from the Royal Girls' Accra. The Royal Girls school is in Accra city, in James town, about 160 yards from the Korle Lagoon. As it is the case with most schools in townships, the school is situated in a congested area. The accommodation is very poor. The middle classes sit in narrow verandahs which serve as classrooms.

The school is five yards away from a busy junction, with heavy traffic. The teachers strain their voices before they can be heard by the children who sit at the back of the classroom. The school was under repairs when this interview took place, so that it added to the amount of noise and the disturbance from the traffic.

All the children live in the city and are influenced by the city life. Numbers 29 and 30 attend school at Cape Coast, which is also a coastal town. The children from Cape Coast, Aburi, Keta and Osudoku who attend school at Accra are sons and daughters of ~~the~~ workers who are mostly clerks. The Hausa girl who attends Anumale Govt. school lives at Achimota with her parents. The parents trade.

Most of the children are from the Ga tribe but others come from Fanti, Ewe, Twi, Adangme and Hausa tribes. Most fathers are literate and some are govt. civil servants and others work under private firms. Nearly

all mothers are illiterates. They indulge in petty trading but a few are seamstresses.

All the pupils live near the sea. Those from Aburi are about 23 miles from the sea. Aburi environment has not been described because the ^{pupils} from that town have lived in Accra from childhood. The same applies to pupils from Osudoku.

There were 29 girls interviewed in this class out of 32 children.

PUPILS NO	QUEST.	AGE	TRIBE.	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	1	16	Ewe	Lome	Male	Anumle Coast	The rain on it and
2	"	17	"	Achimota	"	"	Is made
3	"	13	"	Lome	"	"	Rain pack
4	"	16	Ga	X'borg	"	"	The sand
5	"	16	Ewe	Lome	"	"	I do not
6	"	16	"	Anumle	"	"	God make
7	"	14½	Fanti	Cape Coast	"	Clifford Camp	The constant the hard
8	"	14	Ewe	Pampram	"	X'borg Presby.	They are
9	"	17	Ga	Accra	"	Royal Boys Accra	I do not
10	"	15	"	"	Female	Africa Coll. Accra	Hills made
11	"	17	"	"	Male	Ghana Labadi	I do not
12	"	16	"	"	"	Ere Sec. Woleva	I do not
13	"	16	"	"	"	Royal Boys Accra	I do not
14	"	15	"	"	"	X'borg Presbyt.	Hills was made remaining
15	"	15	Ewe Big Ada	Big Ada	"	Meth. Ada	It was made. after some
16	"	13	Ga	Accra	"	R.C.M. Korle Gonno	I do not
17	"	17	"	"	"	Meth. Accra	They made to one place.
18	"	14	"	"	"	"	I do not

RENS' RESPONSE B

TYPE # OF
ANSWER

collect soil in one place and ~~tree~~ grow
that is hill.

I B 6

of stone and trees.

I B 8

the soil in one place and make hill.

I B 6

and the stone make the hill

I B 6

know.

III 17

it

II B 12

erosion carries away ~~loose~~ soil and

soil and rocky areas remain forming hills.

I B 6

natural.

II C 13

know.

III 17

of rocks, stone, dust and mud.

I B 6

know.

III 17

know.

III 17

know.

III 17

by the rain washing away loose soil and the
places formed hills.

+ B

I B 6

by a collection of big stones which remained
rain has washed the place.

I B 6

know.

III 17

by wind which carry rock, stone and logs

I B 6

know.

III 17

PUPILS NO	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	2	16	Ewe	Lome	Male	Anumale Govt	1 do
2	"	17	"	Achimota	"	"	1 don't
3	"	13	"	Lome	"	"	1 don't
4	"	16	Ga	X'borg	"	"	God
5	"	16	Ewe	Lome	"	"	God make
6	"	16	"	Anumale	"	"	God make
7	"	14½	Fanti	Pape Coast	"	Giffard Camp	It was made
8	"	14	Ewe	Prampram	"	Presbyt. X'borg	The lake from the
9	"	17	Ga	Accra	"	Royal Boys Ac.	When rain falls
10	"	15	"	"	Female	Afr. Coll. Accr.	When the rain
11	"	"	"	"	"	"	if hole is
11½	"	17	"	"	Male	Ghana Labadi	God made
12	"	16	"	"	"	Ere Sec. Wokua	Made by a
13	"	16	"	"	"	Royal Boys Accra	It was made where there
14	"	15	"	"	"	X'borg Presby	Ancient holes
15	"	15	Ewe	Big Ada	"	Meth. Ada	It was made
16	"	13	Ga	Accra	"	A.C.M. Kofie Com.	It was made and collecting
17	"	17	"	"	"	Method Accra	A small caused the lake
18	"	14	"	"	"	"	It made

FORM TWO

77

RENS' RESPONSES.

TYPE OF
ANSWER

not know.

III 17

know.

III 17

know.

III 17

Lake Basumtwi

II B 12

it

II B 12

II B 12

by rain collecting in that valley.

I B 8

was made by water which comes
ground as spring.

I B 8

it settles in deep valleys and cause lakes

I B 8

falls, the water remain in one place
there.

I B 8

them.

II B 12

river bed. Why? Because the place is a valley.

III 16

by pieces of water join together
is a deep valley.

I B 8

which rain collect in them made lakes.

I B 8

by God.

II B 12

by water coming from the ground
in that valley in that area

I B 8

stream broke from the ground and

by water collecting in the valley.

I B 8

by natural.

II C 13

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD —
1	3	16	Ewe	Lome	Male	Anumale Coast	I do not
2	"	17	"	Achumeta	"	"	Is come
3	"	13	"	Lome	"	"	It is blow
4	"	16	Ga	X'borg	"	"	From the
5	"	16	Ewe	Lome	"	"	They come
6	"	16	"	Anumale	"	"	From the
7	"	14½	Fanti	Cape Coast	"	Gifford Camp	Winds come
8	"	14			"	X'borg Presby	From water.
9	"	17			"	Royal Boys Accra	They come
10	"	15	Ga	Accra	Female	Affric. Coll. Accra	It comes
11	"	17	"	"	Male	Ghana Labadi	They come
12	"	16	"	"	"	Ewe Sec. Waka	It comes
13	"	16	"	"	"	R. Boys Accra	It come
14	"	15	"	"	"	X'borg Presby	They come
15	"	15	Ewe	Bug Ada	"	Meth. Ada	Waves
16	"	13	Ga	Accra	"	R.G.M. Korle Gonno	Waves come
17	"	17	"	"	"	Meth. Accra	Waves are
18		14	"	"	"	"	From the

FORM TWO RENS' RESPONSES

TYPE OF
ANSWER

know.

III 17

from the north

III 16

by the air

I A I

sea.

Trickery

from the sea.

"

sea.

"

from the sea.

"

"

"

"

"

"

"

"

"

"

"

"

inside the sea.

from the sea.

from the sea.

from the sea.

up the sea.

from the inside of the sea.

they come from the sea.

from the sea.

caused by wind blow in the sea.
sea.

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	4	16	Ewe	Lome	Male	Anumale Coast	The air
2	"	17	"	Achumeta	"		I don't
3	"	13	"	Lome	"		I don't
4	"	16	Ga	X'borg	"		The air
5	"	16	Ewe	Lome	"		I do not
6	"	16	"	Anumale	"		Because
7	"	14½	Fanti	Cape Coast	"	Giffard Camp	It is
8	"	14	Ewe	Prampram	"	X'borg Presbyt	I do not
9	"	17	Ga	Accra	"	Royal Boys Accra	I do not
10	"	15	"	"	Female	Afr. Coll. Accra	When the
11	"	17	"	"	Male	Ghana Labadi	Because
12	"	16	"	"	"	Ewe Sec. Wokua	It makes
13	"	16	"	"	"	Royal Boys Accra	Because of the
14	"	15	"	"	"	X'borg Presbyt.	The wind makes
15	"	15	Ewe	Big Ada	"	Meth. Ada	Some are made
16	"	13	Ga	Accra	"	R. M. Korte Ghana	I do not
17	"	17	"	"	"	Meth. Accra	So that it can in the sea.
18	"	14	"	"	"	"	When sea From the

FORM THREE RENS' RESPONSES

79

	TYPE OF ANSWER
blows the water.	I A I
know.	III 17
know.	III 17
makes it.	I A I
know.	III 17
the wind blow.	I A I
because water wants to come to the shore.	I B 6
know.	III 17
know.	III 17
wind blow then-we have waves.	I A I
of its currents.	III E 15
waves because of wind.	I A I
force in the sea. What force is it? The breeze.	I A I
the water to make waves.	I A I
by nature and some I do not know.	II 13 & III 17
know.	III 17
send out logs and any die thing which is.	I B 6
water is coming. Where does it come?	
sea to the land.	III 16

Pipils NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD
1	5	16	Ewe	Lome	Male	Anumle Coast	Sometimes there
2	"	17	"	Achumota	"	"	I do not
3	"	13	"	Lome	"	"	Because Sometimes
4	"	16	Ga	X'borg	"	"	Sometimes the
5	"	16	Ewe	Lome	"	"	I do not know.
6	"	16	"	Anumle	"	"	Some day
7	"	14 $\frac{1}{2}$	Fanti	Cape Coast	"	Giffard Camp	I was told
8	"	14	Ewe	Prampam	"	X'borg Presbyt	The big animal swimming
9	"	17	Ga	Accra	"	Royal Bays Accra	It is caused
10	"	15	"	"	Female	Afr. Coll. Accra	If the air blows waves but if
11	"	17	"	"	Male	Ahana Labadi	God make it
12	"	16	"	"	"	Ere Sec. Wokua	It is caused change. I
13	"	16	"	"	"	Royal Bays Accra	It is made
14	"	15	"	"	"	X'borg Presbyt.	Because the it is much,
15	"	15	Ewe	Big Ada	"	Method. Ada	They are
16	"	13	Ga	Accra	"	R.C.M. Korle Lome	Many animal and
17	"	17	"	"	"	Method. Accra	I do not
18	"	14	"	"	"	"	When the

RENS' RESPONSES

TYPE OF
ANSWER

is much wind and that makes waves.
know.

I A I

III 17

the wind blows only on some days.

I A I

the air blows and do not some time.

I A I

III 17

there is wind and some day not.

I A I

that it is caused by the moon.

III 16

and large fish make it when they are

III 16

by tides

III 16

from the from the forest you will get low
in the sea, then they are very high.

I A I

so.

II B 12

by a change in ~~the~~ weather. Explain the
can do it in my language.

III 16

by the change of the air.

I A I

wind blow much on some day and when
it will make plenty of waves.

I A I

caused by changes in weather.

III 16

fish in the sea cause the waves.

III 16

know.

III 17

weather change the air make waves.

III 16

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD —
1	6	16	Ewe	Lome	Male	Anumankle Coast	I do not
2	"	17	"	Achimota	"	"	He gave
3	"	13	"	Lome	"	"	The wind
4	"	16	Ga	X'borg	"	"	Because the
5	"	16	Ewe	Lome	"	"	I do not
6	"	16	Ewe	Anumankle	"	"	I do not
7	"	14½	Fanti	Cape Coast	"	Clifford Camp	The river the lower
8	"	14	Ewe	Prampram	"	X'borg Presbyt.	Because the
9	"	17	Ga	Accra	"	Royal Boys Accra Methodist Accra	Because the
10	"	15	"	"	Female	Affric. Coll. Accra	The ground is place where
11	"	17	"	"	Male	Ghana Labadi	Water must
12	"	16	"	"	"	Ere Sec. Wokua	It is coming
13	"	16	"	"	"	Royal Boys Accra	It flows to
14	"	15	"	"	"	X'borg Presbyt	It moves to
15	"	15	Ewe	Big Ada	"	Method Ada	It wants to It is because place.
16	"	13	Ga	Accra	"	R.C.M. Korle Gonzo	It wants low
17	"	17	"	"	"	Methodist Accra	Because the level place
18	"	14	"	"	"	"	Some of the

RENS RESPONSES

TYPE OF ANSWER

know .	III 17
us water to drink.	II C 14
blow it.	I B 5
ground slopes .	I A 1
know.	III 17
know.	III 17
wants to flow to the sea which is on sides.	I A 1
river pass. What does pass mean?	
river go with force	I B 6
not flat so the water must go to the there is level land which is the sea.	I A 1
flow from ^{high} low land to low land.	I A 1
down the mountain and hill.	I A 1
a valley.	I B 6
the plain ground.	III 16
go to low land	IA 16
it is coming from a high place to a low land	I A 1 I A 2
ground is not level, so the river want a	I A 1
ground is low and water move there	I A 2

PUPILS NO.	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	7	16	Ewe	Lome	Male	Anumale Court	From the sea.
2	"	17	"	Achimota	"	"	Is come from
3	"	13	"	Lome	"	"	It comes
4	"	16	Ga	X'borg	"	"	It comes
5	"	16	Ewe	Lome	"	"	From the sea.
6	"	16	"	Anumale	"	"	From the sea.
7	"	14½	Fanti	Cape Coast	"	Giffard Cripp	Winds come
8	"	14	Ewe	Prampram	"	X'borg Presbyt.	I do not
9	"	17	Ga	Accra	"	Royal Boys' Accra	Winds come
10	"	15	"	"	Female	Afric. Coll. Accra	Winds come
11	"	17	"	"	Male	Ghana Habadi	From thick
12	"	16	"	"	"	Erec. Sec. Hekua	It comes
13	"	16	"	"	"	Royal Boys' Accra	It comes
14	"	15	"	"	"	X'borg Presbyt.	I do not
15	"	15	Ewe	Big Ada	"	Method. Ada	Winds come
16	"	13	Ga	Accra	"	R.C.M. Kofe Gono	Wind come the sun.
17	"	17	"	"	"	Math. Accra	It comes
18	"	14	"	"	"	"	It comes

RENS' RESPONSES

TYPE OF
ANSWER

	I B 8
the north.	I B 8
from the trees.	I B 8
from the sea.	I B 8
	I B 8
	I B 8
from the sea.	I B 8
know but they are natural.	III 17 & 11 C 13
from the sea	I B 8
from the western part of the sea.	I B 8
forest.	III 16
from sea and land.	I B 8
from heaven.	III 16
know.	III 17
from the sea.	I B 8
from temperature because it blows towards	I A 3
from the sky.	III 16
from the sea.	I B 8

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD
1	8	16	Ewe	Lome	Male	Anumle Govt	I do not
2	"	17	"	Achumeta	"	"	The wind.
3	"	13	"	Lome	"	"	The wind.
4	"	16	Ga	X'borg	"	"	The wind.
5	"	16	Ewe	Lome	"	"	The wind.
6	"	16	"	Anumle	"	"	The wind.
7	"	14½	Fanti	Cape Coast	"	Clifford Camp	The air
8	"	14	Ewe	Prampram	"	X'borg Presbyt.	The wind
9	"	17	Ga	Accra	"	Royal Boys Accra	Winds
10	"	15	"	"	Female	Africa College	The winds
11	"	17	"	"	Male	Ghana Labadi	Sun make
12	"	16	"	"	"	Ere Sec. Wekuwa	The heat.
13	"	16	"	"	"	Royal Boys Accra	Heat.
14	"	15	"	"	"	X'borg Presbyt.	The wind
15	"	15	Ewe	Big Ada	"	Meth. Ada	Because
16	"	13	Ga	Accra	"	R.C.M. M. Gono	Rotation
17	"	17	"	"	"	Method. Accra	Wind makes
18	"	14	"	"	"	"	The earth is it move

RENS' RESPONSES.

TYPE OF
ANSWER

know.

III 17

I A I

I A I

I A I

I A I

I A I

makes them move.

I A I

which blows carries them.

I A I

make the clouds to move.

I A I

make clouds move

I A I

him move

III 16

III 16

III 16

makes the clouds move.

I A I

the earth is running.

III 15

makes the clouds move.

III 16

the clouds move.

I A I

turning and when the earth is moving
with the clouds.

III 16

Pupils NO.	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	9	16	Ewe	Lome	Male	Anumale Court	I do not
2	"	17	"	Achumeta	"	"	I do not
3	"	13	"	Lome	"	"	God made
4	"	16	Ga	X'borg	"	"	I do not
5	"	16	Ewe	Lome	"	"	They are
6	"	16	"	Anumale	"	"	They are
7	"	14½	Fanti	Cape Coast	"	Giffard Comp	They stay
8	"	14	Ewe	Prampram	"	X'borg Presby.	I do not
9	"	17	Ga	Accra	"	Royal Boys Accra	They stay in not fall
10	"	15	"	"	Female	Afr. Coll. Accra	They are
11	"	17	"	"	Male	Ghana Labadi	God
12	"	16	"	"	"	Erec Sec. Wokua	The wind does
13	"	16	"	"	"	Royal Boys Accra	By the power
14	"	15	"	"	"	X'borg Presby.	The wind don't are not vapour
15	"	15	Ewe	Big Ada	"	Methodist Ada	I do not
16	"	13	Ga	Accra	"	R.M. K. Gonno	Because air
17	"	17	"	"	"	Meth. Accra	It is just just vapour.
18	"	14	"	"	"	"	God made

FORM TWO RENS' RESPONSES

84

	TYPE OF ANSWER
know.	III 17
know.	III 17
it to be there.	III B 12
know.	III 17
light.	I A 1
not heavy.	I A 1
in the sky - because they are small and light.	I A 1
know. They are not heavy.	III 17 & I A 1
the sky, because they are light. They do because they are smoke and vapour.	I A 1
natural. I do not know.	II C 13 & III 17
	II B 12
not blow them. I do not know.	III 17
of God.	II B 12
blow them at that time Because they big and heavy.	I A 1
know.	III 17
does not act on it.	III 15
because they are not heavy. They are	I A 1
them to be there.	II B 12

PUPILS

NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	10	16	Ewe	Lome	Male	Anumale Coast	The wind
2	"	17	"	Achimota	"	"	A wind
3	"	13	"	Lome	"	"	The wind
4	"	16	Ga	X'borg	"	"	The wind
5	"	16	Ewe	Lome	"	"	The air
6	"	16	"	Anumale	"	"	The air
7	"	14½	Fanti	Cape Coast	"	Gifford Camp X'borg Presby.	Because they or supports
8	"	14	Ewe	Prampre	"	X'borg Presby.	The air push
9	"	17	Ga	Accra	"	Royal Boys Accra	The wind and they can
10	"	15	"	"	Female	Afri. Coll. Accra	When the air
11	"	17	"	"	Male	Ghana Labadi	Because of
12	"	16	"	"	"	Ere Sec. Wakaia	The air
13	"	16	"	"	"	Royal Boys Accra	The air move
14	"	15	"	"	"	X'borg Presbyt.	The air push
15	"	15	Ewe	Begida	"	Meth. Ada	The air carries
16	"	13	Ga	Accra	"	R.C.M. K. Cennu	It is not
17	"	17	"	"	"	Methodist Accra	The wind
18	"	14	"	"	"	"	The air

RENS' RESPONSES

TYPE OF
ANSWER

blows it

| A |

| A |

| A |

| A |

| A |

| A |

are light and the wind blows them up
them.

| A |

or carry them up.

| A |

pushes it up because they are light
be blow to other places.

| A |

is blow, it takes it up,
air.

| A |

| A |

| A |

it.

| A |

it up for they are light.

| A |

it up.

| A |

heavy and so the air can carry it up.

| A |

makes it go up because it is light.

| A |

| A |

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD —
1	11	16	Ewe	Lome	Male	Anumle Presby. Court	The machine
2	"	17	"	Achimota	"	"	The wind
3	"	13	"	Lome	"	"	Is not too
4	"	16	Ga	X'borg	"	"	The wind
5	"	16	Ewe	Lome	"	"	The engine
6	"	16	"	Anumle	"	"	The engine
7	"	14½	Fanti	Cape Coast	"	Giffard Camp	The engine
8	"	14	Ewe	Prampam	"	X'borg Presby	The turning
9	"	17	Ga	Accra	"	Royal Boys Accra	The engine
10	"	15	"	"	Female	Afri Coll. Accra	Air, engine
11	"	17	"	"	Male	Ghana Labadi	Because of
12	"	16	"	"	"	Ere Sec. Wokua	Because of
13	"	16	"	"	"	Royal Boys Accra	Propeller,
14	"	15	"	"	"	X'borg Presbyt.	See The engine falling and
15	"	15	Ewe	Big Ada	"	Methodist Ada	It engine in front of
16	"	13	Ga	Accra	"	R.C.M. K. Gono	The engine.
17	"	17	"	"	"	Meth. Accra	The wind, propeller
18	"	14	"	"	"	"	The wings

RENS' RESPONSES

TYPE OF
ANSWER

hold it.

1 A 2

make it

1 A 2

heavy.

III 16

blow it.

1 A 2

1 A 2

and the propeller.

1 A 2

keeps it in the air.

1 A 2

engine and the air holds it.

1 A 2

and the fan in front of it.

1 A 2

and propeller.

1 A 2

the propeller and engine and air

1 A 2

the engine.

1 A 2

engine and air.

1 A 2

and his wing keep him from

the air too he hold up.

1 A 1

wing and that thing which fall
it.

1 A 2

1 A 2

and its wings hold it up

1 A 1

and the engines

1 A 2

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD —
1	12	16	Ewe	Lome	Male	Anumale Coast	By speaking
2	"	17	"	Arhemota	"	"	The wire and
3	"	13	"	Lome	"	"	I don't know.
4	"	16	Ga	X'borg	"	"	By phone his
5	"	16	Ewe	Lome	"	"	The wire
6	"	16	"	Anumale	"	"	By the man
7	"	14½	Fanti	Cape Coast	"	Giffard Camp	It works by
8	"	14	Ewe	Pompram	"	X'borg Presby	It works by said that it
9	"	17	Ga	Accra		Royal Boys' Accra	The wire we want.
10	"	15	"	"	Female	Afr. Coll. Accra	By the electric
11	"	17	"	"	Male	Ghana Labadi	By electric
12	"	16	"	"	"	Exec Sec. Wokua	It works through
13	"	16	"	"	"	Royal Boys Accra	It works #
14	"	15	"	"	"	X'borg Presby	The string or his friend.
15	"	15	Ewe	Big Ada	"	Meth Ada	It work by
16	"	13	Ga	Accra	"	R.C.M. K. Gomo.	It works by by talking to
17	"	17	"	"	"	Meth. Accra	By electric
18	"	14	"	"	"	"	It works by

RENS' RESPONSES

TYPE OF A
ANSWER

to some one . By electricity .	I B 7 & I A 1
the engine .	I A 2
The wire .	III 17 & I A 2
number . The electricity .	I A 1
and the electric .	I A 1
talk in it .	I B 7
the power of electricity .	I A 1
talking and hearing . The teacher	
work by electricity	I A 1
carry the sound to any body that	
Electric make it .	I B 6 & I A 1
	I A 1
	I A 1
wires . By electric	I A 1
through the wires by the steam . Electric .	I A 1
wire make the other man to hear .	
I do not know .	I B 6 & III 17
the battery .	III 16
informing somebody from a distance	
him . Electric made it work .	I A 1
power .	I A 1
the wire . The electric	I A 1

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD —
1	13	16	Ewe	Lome	Male	Anumle Govt	Because the
2	"	17	"	Achimota	"	"	Night come
3	"	13	"	Lome	"	"	God make day
4	"	16	Ga	X'borg	"	"	God make
5	"	16	Ewe	Lome	"	"	I do not
6	"	16	"	Anumle	"	"	So that we
7	"	14½	Fanti	Cape Coast	"	Giffard Camp	Because the earth
8	"	14	Ewe	Prampram	"	X'borg Presbyt.	It comes when
9	"	17	Ga	Accra	"	Royal Boys Accra	The light of
10	"	15	"	"	Female	Africa Coll. Accra	Because the
11	"	17	"	"	Male	Ghana Labadi	Because of
12	"	16	"	"	"	Ere Sec. Wokua	Because the
13	"	16	"	"	"	Royal Boys Accra	The earth move hours make
14	"	15	"	"	"	X'borg Presbyt.	Because the we go away
15	"	15	Ewe	Big Ada	"	Method. Ada	Because the
16	"	13	Ga	Accra	"	R.C.M.W. Ganna	Night comes
17	"	17	"	"	"	Methodist Accra	The sun move dark, when
18	"	14	"	"	"	"	When the world

FORM TWO RENS' RESPONSES

88

	TYPE OF ANSWER
world rotates.	I A I
because we want to sleep.	II C 14
and night.	II B 12
night.	II B 12
know.	III 17
sleep.	II C 14
turns us a way from the sun.	I A I
the sun is away from us.	I A 2
the sun does not shine to us.	III 16
world is going round.	I A I
the rotation of the earth.	I A I
earth move round the sun.	I A 2
round every 24 hours and twelve night.	I A I
world moves round the sun and when	'
from the sun we have night.	I A I
world is turning.	I A I
because of the rotation of the earth.	I A I
with his light and so we have	
the earth turns.	I A I
turn, the night come.	I A I

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD—
1	14	16	Ewe	Lome	Male	Anumale Govt.	You will
2	"	17	"	Achimota	"	"	You plant
3	"	13	"	Lome	"	"	We plant
4	"	16	Ga	K'borg	"	"	You plant
5	"	16	Ewe	Lome	"	"	We plant
6	"	16	"	Anumale	"	"	You plant
7	"	14½	Fanti	Cape Coast	"	Giffard Camp	We get trees
8	"	14	Ewe	Pramprom	"	K'borg Presbyt.	We plant trees
9	"	17	Ga	Accra	"	Royal Boys Accra	You will
10	"	15	"	"	Female Male	Africa Coll. Accra	You will sow
11	"	17	"	"	Male	Ghana Labadi	We plant the
12	"	16	"	"	"	Ere. Sec. Wokua	We cut some
13	"	16	"	"	"	Royal Boys Accra	We sow the
14	"	15	"	"	"	K'borg Presbyt.	We sow seeds.
15	"	15	Ewe	Big Ada	"	Method. Ada	By planting
16	"	13	Ga	ACCRA	"	R.C.M. K. Conno	You plant the
17	"	17	"	"	"	Meth. Accra	We sow seeds
18	"	14	"	"	"	"	We sow seeds. small pieces

RENS' RESPONSES

TYPE OF
ANSWER

plant seed.

| A |

seed

| A |

seeds.

| A |

small seeds.

| A |

trees

| A |

seeds.

| A |

by planting seeds and cuttings

| A |

and cuttings and do layering

| A |

plant some seeds.

| A |

the seed in good soil.

| A |

seed.

| A |

trees and plant it, and also seeds.

| A |

seed and its branch.

| A |

| A |

some seeds and branches.

| A |

seed and cutting.

| A |

and cut some branches to plant them.

| A |

They also plant branch cut into

| A |

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	15	16	Ewe	Lorne	Male	Anumale Coast	They get plant
2	"	17	"	Achumeta	"	"	They hold the
3	"	13	"	Lorne	"	"	A root hold
4	"	16	Ga	X'borg	"	"	They cook
5	"	16	Ewe	Lorne	"	"	They hold the
6	"	16	"	Anumale	"	"	They hold the
7	"	14½	Fanti	Cape Coast	"	Griffard Camp	They hold food from the
8	"	14	Ewe	Prampram	"	X'borg Presbyt	Roots get food
9	"	17	Ga	Accra	"	Royal Boys Ac.	They supply
10	"	15	"	"	Female	Africa Coll. Accra	The root is
11	"	17	"	"	Male	Ghana Rabadi	To stand
12	"	16	"	"	"	Ewe Sec. Woketa	It make it
13	"	16	"	"	"	Royal Boys Accra	It find food
14	"	15	"	"	"	X'borg. Presbyt	They suck food
15	"	15	Ewe	Big Ada	"	Meth. Ada	They serve the soil in
16	"	13	Ga	Accra	"	R.E.M. K. Conno	Roots manufacture
17	"	17	"	"	"	Meth. Accra	They find get in the
18	"	14	"	"	"	"	They find

RENS' RESPONSES

TYPE OF
ANSWER

food from the ground.

I A I

plant firmly.

I A 2

the plant.

I A 2

food.

III 16

plant.

I A 2

plant firm

I A 2

the plant firm and get plant
soil.

I A I

from the soil for the plant.

I A I

water and food to the plant.

I A I

feed the tree to grow.

I A I

firmly and find food

I A I

stand and give it food.

I A I

and hold the tree firm to the ground.

I A I

for the plant in the soil.

I A I

as food storey and get food in

22

water form. It hold the plant firm.

I A I

the food that it gets in the soil.

I A I

food in the ground which they
form of water.

I

I A I

food.

I A I

PUPILS NO	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	16	16	Ewe	Lome	Male	Anumle Govt	I do not
2	"	17	"	Achimota	"	"	To make a
3	"	13	"	Lome	"	"	To make the
4	"	16	Ga	X'borg	"	"	I don't know.
5	"	16	Ewe	Lome	"	"	They fix the
6	"	16	"	Anumle	"	"	They smell
7	"	14 $\frac{1}{2}$	Fanti	Cape Coast	"	Giffard Camp	Flowers are
8	"	14	Ewe	Framporn	"	X'borg Presbyt.	Flowers are
9	"	17	Ga	Accra	"	Royal Boys Accra	If a tree
10	"	15	"	"	Female	Agri. Coll. Accra	It produce flower
11	"	17	"	"	Male	Ghana Labadi	If a tree
12	"	16	"	"	"	Ere Sec. Klokua	They are not know.
13	"	16	"	"	"	Royal Boys Accra	They are
14	"	15	"	"	"	X'borg Presbyt.	They are for pollinated
15	"	15	Ewe	Big Ada	"	Methodist Ada	They attract that seeds
16	"	13	Ga	Accra	"	R.C.M. K. Gonno	For insects.
17	"	17	"	"	"	Methodist Accra	They form
18	"	14	"	"	"	"	We dress

FORM TWO

RENS' RESPONSES.

91

TYPE OF
ANSWER

know.

III A 17

house beautiful.

II C 14

tree good.

I B 6

III 17

house.

II C 14

well.

I B 6

for the formation of seeds.

I A 1

to seeds to come from them.

I A 1

want to get fruit it must flower.

I A 1

then it will have fruit.

I A 1

has flower it born another which is seed.

I A 1

useful to human beings. I do

II C 14 & III 17

smell sweet.

I B 6

make fruit when they are
they form seeds.

I A 1

insects. It is through the flower
come on the plant.

I B 6 & I A 1

They make seeds.
fruit.

I B 6 & I A 1

I A 1

our room for them. I do not know.

II C 14 & III 17

PUPILS No	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD —
1	17	16	Ewe	Lome	Male	Anumale Govt	It comes little
2	"	17	"	Achimota	"	"	From a seed.
3	"	13	"	Lome	"	"	It begins from
4	"	16	Ga	K'borg	"	"	By planting a
5	"	16	Ewe	Lome	"	"	I do not
6	"	16	"	Anumale	"	"	From a small
7	"	14½	Fanti	Cape Coast	"	Giffard Camp	A tree begins
8	"	14	Ewe	Prampram	"	K'borg Presby	A tree begins
9	"	17	Ga	Accra	"	Royal Boys Acc	We sow seed
10	"	15	"	"	Female	Afr. Coll. Acc.	When you sow
11	"	17	"	"	Male	Ghana Labadi	It begins
12	"	16	"	"	"	Ewe Sec. Wokua	They will turn
13	"	16	"	"	"	Royal Boys Accra	It begins from
14	"	15	"	"	"	K'borg Presb	By seed.
15	"	15	Ewe	Big Ada	"	Methr. Accra	A tree begin
16	"	13	Ga	Accra	"	R.C.M. K'borro	A plant begin
17	"	17	"	"	"	Methodist Accra	A tree begin cut and put
18	"	14	"	"	"	"	It begin from

FORM TWO RENS' RESPONSES

92

TYPE OF
ANSWER

by little from seed.

IAI

a seed

IAI

seed.

IAI

know.

IAI

seed plant

III 17

from a seed.

IA 2

from seed.

IAI

and branch before a tree can ^{begin} grow.

IAI

the seed and water it.

IAI

from a seed.

IAI

from fruit to tree.

IAI

the seed.

III A 16

IAI

IAI

by plant seed and branch

IAI

from a seed

IAI

from seed or branch which is
in the soil.

IAI

a seed.

IAI

PUPILS P. NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD
1	18	16	Ewe	Lome	Male	Anumale wot.	My heart
2	"	17	"	Achimota	"	"	It pumps
3	"	13	"	Lome	"	"	It pumps
4	"	16	Ga	X'borg	"	"	Is for breathing.
5	"	16	Ewe	Lome	"	"	It pumps
6	"	16	"	Anumale	"	"	It pumps
7	"	14½	Fanti	C. coast	"	Giffard Camp	It pumps blood
8	"	14	Ewe	Prampram	"	X'borg Presbyt.	It beats so that
9	"	17	Ga	Accra	"	Royal Girls Accra	It makes
10	"	15	"	"	Female	Africa Coll. Accra	It pumps
11	"	17	"	"	Male	Ghana Labadi	My heart
12	"	16	"	"	"	Ereco Seco Waku	For pumping
13	"	16	"	"	"	Royal B. Accra	My heart
14	"	15	"	"	"	X'borg Presbyt.	It pumps
15	"	15	Ewe	Big Ada	"	Meth. Ada	It pumps blood
16	"	13	Ga	Accra	"	R.C.M.K. Gono	It sends blood
17	"	17	"	"	"	Method. Accra	To give us
18	"	14	"	"	"	"	It give the

RENS' RESPONSES

TYPE OF
ANSWER

pumps blood.	I A I
blood.	I A I
blood.	I A I
	III 16
blood.	I A I
blood.	I A I
to all parts of the body.	I A I
blood can go to all parts of the body.	I A I
me feel.	III 16
blood.	I A I
pumps blood.	I A I
blood.	I A I
pump blood.	I A I
blood which makes us not to die.	I A I
to all parts of my body.	I A I
to all parts of the body.	I A I
strong and to make us to live.	III 16
blood to go through the body.	I A I

PART II

MIDDLE

PUPILS NO	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	1	16	Ewe	Lome	Male	Anumle Coast	I do not
2	"	17	"	Achimota	"	"	Quickly. The
3	"	13	"	Lome	"	"	The bone
4	"	16	Ga	X'borg	"	"	I don't know.
5	"	16	Ewe	Lome	"	"	I don't know.
6	"	16	"	Anumle	"	"	My bone
7	"	14 $\frac{1}{2}$	Fanti	C. coast	"	Giffard Camp	As you asked me to
8	"	14	Ewe	Prampram	"	X'borg Presby	I make my
9	"	17	Ga	Accra	"	Royal Boys Accra	The heart make
10	"	15	"	"	Female	Africa Coll. Acc.	The blood and
11	"	17	"	"	Male	Ghana Labadi	Veins. and blood.
12	"	16	"	"	"	Erec Sec. Kikua	The vein and
13	"	16	"	"	"	Royal Boys Accra	The blood and
14	"	15	"	"	"	X'borg Presbyt	My finger move
15	"	15	Ewe	Big Ada	"	Method. Ada	They move
16	"	13	Ga	Accra	"	R.C.M.K. Gono	The jointed
17	"	17	"	"	"	Methodist Acc.	It move by
18	"	14	"	"	"	"	The veins.

RENS' RESPONSES

TYPE OF
ANSWER

know. The blood

III 17

heart

III 16

and my power.

I A 2

The thread in the finger.

III 17 & III 16

My strong

III 17

vein and power.

I A 2

do now. The will and nerves make it to move.

I A 4 & III 16

finger move

I B 7

my finger move.

III 16

the veins.

III 16

III 16

blood make it to move.

III 16

the nerves.

III 16

by God power.

II B 12

because of the joints.

I B 6

bones, blood and flesh.

I A 1

the power of the heart.

III 16

III 16

PART II

MIDDLE

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD —
1	2	16	Ewe	Lome	Male	Anumale Court	Blood
2	"	17	"	Achimota	"	"	Blood
3	"	13	"	Lome	"	"	Blood
4	"	16	Ga	X'borg	"	"	Light
5	"	16	Ewe	Lome	"	"	Light
6	"	16	"	Anumale	"	"	Blood
7	"	14½	Fanti	C. coast	"	Gifford Camp	It is due
8	"	14	Ewe	Prampram	"	X'borg Presby	Because there
9	"	17	Ga	Accra	"	Royal B. Accra	The light.
10	"	15	"	"	Female	Afric. Coll. Ac.	Because the
11	"	17	"	"	Male	Ghana Labadi	Because of
12	"	16	"	"	"	Ewe Sec. Wokua	The blood.
13	"	16	"	"	"	Royal Boys Acc.	Blood.
14	"	15	"	"	"	X'borg Presby	Because I
15	"	15	Ewe	Big Ada	"	Meth. Add.	The blood
16	"	13	Ga	Accra	"	R. C. M. K. Accra	Blood.
17	"	17	"	"	"	Meth. Accra	Light.
18	"	14	"	"	"	"	The blood.

FORM TWO
RENS' RESPONSES

95

TYPE OF
ANSWER

I A I

I A I

I A I

III 15

III 15

I A I

I A I

I A I

III 15

I A I

I A I

I A I

I A I

I A I

I A I

I A I

III 15

I A I

to the blood in the finger
is blood in the fingers

blood is red.
my blood.

have blood in my finger.
make it red.

PART II

MIDDLE

PUPILS NO.	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	3	16	Ewe	Lome	Male	Anumale Coast	The water
2	"	17	"	Achimota	"	"	The water
3	"	13	"	Lome	"	"	Some water
4	"	16	Ga	X'borg	"	"	The water
5	"	16	Ewe	Lome	"	"	It will
6	"	16	"	Anumale	"	"	Water will
7	"	14½	Fanti	C. Coast	"	Giffard Camp	Some
8	"	14	Ewe	Pramprom	"	X'borg Presby.	The water
9	"	17	Ga	Accra	"	Royal Boys Accra	The water
10	"	15	"	"	Female	Afri. Coll. Accra	The water
11	"	17	"	"	Male	Ghana Labadi	It will
12	"	16	"	"	"	Ewe Sec. Wokua	It will
13	"	16	"	"	"	Reg. Boys Accra	It will
14	"	15	"	"	"	X'borg Presby.	The water
15	"	15	Ewe	Big Ada	"	Method. Ada	Some water
16	"	13	Ga	Accra	"	R.C.M. K. Gnanoo	The water
17	"	17	"	"	"	Math. Accra	The water
18	"	14	"	"	"	"	The water

RENS' RESPONSES

TYPE OF
ANSWER

will flow down.	A
will fall down.	A
will drops.	A
will fall.	A
fall down.	A
fall down.	A
water will fall off.	A
will fall out	A
will over flow and fall.	A
will flow.	A
come down	A
flow	A
come up.	A
will throw in the pan.	A
will flow from the cup to the pan.	A
will fall.	A
will fall in the pan.	A
will fall.	A

PART II

MIDDLE
CHILD—

PUPILS NO.	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD—
1	4	16	Ewe	Lome	Male	Anumle Govt	Because
2	"	13	"	Achimota	"	"	The thing
3	"	13	"	Lome	"	"	The wood
4	"	16	Ga	X'borg	"	"	The stick
5	"	16	Ewe	Lome	"	"	It is
6	"	16	"	Anumle	"	"	It is
7	"	14½	Fanti	C. Coast	"	Giffard Camp	The pebble some water
8	"	14	Ewe	Prampram	"	X'borg Presbyt	Because
9	"	17	Ga	Accra	"	Royal Boys Accr.	The pebble
10	"	15	"	"	Female	Afr. Coll. Accra	Because take the
11	"	17	"	"	Male	Ghana Labadi	Because
12	"	16	"	"	"	Ere Sec. Wokua	Its weight
13	"	16	"	"	"	Royal Boys Accr.	The thing
14	"	15	"	"	"	X'borg Presby	Because the
15	"	15	Ewe	Big Ada	"	Methodist Ada	The thing you the space of
16	"	13	Ga	Accra	"	R.C.M. Korle Gon.	Because of the
17	"	17	"	"	"	Meth. Accra	The pebble is of the water
18	"	14	"	"	"	"	The thing

RENS' RESPONSES

TYPE OF
ANSWER

of the thing.	A
is heavy.	A
is heavy.	A
is heavy.	A
heavy.	A
too heavy.	A
have taken the place of	 A
and it is heavy.	A
the pebble is heavy	A
is heavy.	A
the pebble is heavy and	
place of water.	A
of the pebble.	A
has pressed the water.	A
press the water to fall,	A
thing you put in it is heavy.	A
put in it is heavy and so it takes	
water and so the water come down.	A
the pebble occupies the place	
water.	A
heavy and so it takes the place	
which throw.	A
got some weight.	A

PART II

MIDDLE
CHILD -

PUPILS NO	QUEST.	AGE	TRIBE	TOWIN	SEX	SCHOOL	MIDDLE CHILD -	
1	5	16	Ewe	Lome	Male	Anumale Govt.	It	will
2	"	17	"	Achimota	"	"	It	will
3	"	13	"	Lome	"	"	It	will
4	"	16	Ga	X'borg	"	"	It	will
5	"	16	Ewe	Lome	"	"	It	will
6	"	16	"	Anumale	"	"	It	will

FORM TWO
RENS' RESPONSES

98

TYPE OF
ANSWER

come up here. It is round.

1 A 1

come up. It has one hole.

1 A 1

come to this side It has one hole.

1 A 1

come up. It is round here

1 A 1

come up. It has the same hole.

1 A 1

come to this side. The get one hole

1 A 1

PART II

MIDDLE

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD —
1	6	16	Ewe	Lome	Male	Anumbe Govt	There is
2	"	17	"	Achimota	"	"	Air is
3	"	13	"	Lome	"	"	Air is
4	"	16	Ga	K'borg	"	"	Air is
5	"	16	Ewe	Lome	"	"	Air is
6	"	16	"	Anumbe	"	"	You look

RENS' RESPONSES.

TYPE OF
ANSWER

no air in.

11 16

in it.

1 A 1

in it.

1 A 1

inside it

1 A 1

in it.

1 A 1

it.

1 A 4

PART II

MIDDLE
CHILD—

PUPILS NO.	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL		
1	7	16	Ewe	Lome	Male	Anumale East	The air	
2	"	17	"	Achimota	"	"	The air	
3	"	13	"	Lome	"	"	The air	
4	"	16	Ga	X'borg	"	"	Air	
5	"	16	Ewe	Lome	"	"	Air	
6	"	16	"	Anumale	"	"	Air	
7	"	14½	Fanti	C. Coast	"	Giffard Camp	Air makes	
8	"	14	Ewe	Pramprom	"	X'borg Presbyt.	The air	
9	"	11	Ga	Accra	"	Royal Bays Accra	Air makes	
10	"	15	"	"	Female	Afric. Col. Accra	The air	
11	"	17	"	"	Male	Ehona Labadi	The CO ₂	
12	"	16	"	"	"	Ere Sec. Wkusa	Air.	Air.
13	"	16	"	"	"	Royal B. Accra	Air.	make
14	"	15	"	"	"	X'borg Presby	Air.	Air.
15	"	15	Ewe	Big Ada	"	Meth. Ada	Air.	Air.
16	"	13	Ga	Ga	"	R.E.M. Korte Gono	Air.	Air.
17	"	17	"	"	"	Methodist Accra	Air.	Air.
18	"	14	"	"	"	"	Air.	Air.

FORM TWO RENS' RESPONSES

100

TYPE OF
ANSWER

Air	1 A 1
Air	1 A 1
Air	1 A 1
Air	1 A 1
Air	1 A 1
Air	1 A 1
the bubbles. There air in the bubbles	1 A 1
make them. Bubble of air	1 A 1
bubbles. Air	1 A 1
make it. Air	1 A 1
CO2 Carbon dioxide	11 16
	1 A 1
it. Air.	1 A 1
	1 A 1
is in the bubbles.	1 A 1
	1 A 1
	1 A 1
	1 A 1

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD —
1	9	16	Ewe	Lome	Male	Anumale Govt.	It is
2	"	17	"	Achumota	"		The wind
3	"	13	"	Lome	"		The air.
4	"	16	Ga	X'borg Anumale	"		The air.
5	"	16	Ewe	Lome	"		It is
6	"	16	"	Anumale	"		Air push
7	"	14½	Fanti	C. Coast	"	Cufford Camp	Because
8	"	14	Ewe	Pramprom	"	X'borg Presbyt	Because
9	"	11	Ga	Accra	"	Royal Boys Accra	It has
10	"	15	"	"	Female	Africa Coll. Accra	The air.
11	"	17	"	"	Male	Ghana Labadi	The air
12	"	16	"	"	"	Eree See Wokua	Because
13	"	16	"	"	"	Royal Boys Acc.	Because
14	"	15	"	"	"	X'borg Presbyt	The power.
15	"	15	Ewe	Big Ada	"	Meth. Ada	Because
16	"	13	Ga	Accra	"	R.C.M. Korte Com.	Because it
17	"	17	"	"	"	Methodist Accr.	The air
18	"	14	"	"	"	"	The power

FORM TWO
RENS' RESPONSES

101

TYPES OF
ANSWER

heavy.
is press it.

I A 2
III 16
III 16
III 16

heavy.
it up there.
it is heavy than air.
you leave it.
no power.

I A 2
III 16
I A 1
I A 4
III 16
III 16

force it down.
of its power.
of a force in the air
of gravity pull it.
of the force of gravity.
is heavy to remain in the air
made it to fall
in the earth draws it

III 16
II 15
I A 1
I A 1
I A 1
I A 1
II 16
I A 1

PART II

MIDDLE
CHILD—

PUPILS NO	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	
1	10	16	Ewe	Lome	Male	Anumale Coast	The air
2	"	17	"	Achimota	"	"	The air
3	"	13	"	Lome	"	"	The air
4	"	16	Ga	X'borg	"	"	The air
5	"	16	Ewe	Lome	"	"	Because
6	"	16	"	Anumale	"	"	Air blow
7	"	14½	Fanti	C. Coast	"	Giffard Camp	The air
8	"	14	Ewe	Prampram	"	X'borg Presbyt	The air
9	"	17	Ga	Accra	"	Royal Brgs/ Accra	The wind
10	"	15	"	"	Female	Africa Coll. Accra	The air
11	"	17	"	"	Male	Ghana Labadi	The air
12	"	16	"	"	"	Ere Sesa Wokua	Because
13	"	16	"	"	"	Royal Brgs Ac.	It is
14	"	15	"	"	"	X'borg Presbyt.	It moves
15	"	15	Ewe	Big Ada	"	Meth. Ada	Air
16	"	13	Ga	Accra	"	R.C. M.K. Conno	The wind
17	"	17	"	"	"	Method. Accra	The wind
18	"	14	"	"	"	"	The air

RENS' RESPONSES

TYPE OF
ANSWER

is blowing it.

| A |

blow it.

| A |

is blowing it

| A |

throw it there.

| A |

it is jumping.
it.

| B b |

| A |

~~moves~~ it.

| A |

is pushing it.

| A |

make it to go that side.

| A |

move it.

| A |

move it.

| A |

of the air.

| A |

because the air blows it

| A |

because the air is pushing it.

| A |

push it.

| A |

blow it.

| A |

blow it to the side where it go

| A |

move it.

| A |

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	11	16	Ewe	Lome	Male	Anumale Court	You fold
2	"	17	"	Achimota	"	"	The wind
3	"	13	"	Lome	"	"	Because
4	"	16	Ga	X'borg	"	"	It is
5	"	16	Ewe	Lome	"	"	It is
6	"	16	"	Anumale	"	"	Air can
7	"	14½	Fanti	C. Coast	"	Giffard Camp	It is in
8	"	14	Ewe	Prampram	"	X'borg Presbyt	It is
9	"	17	Ga	Accra	"	Royal Boys Accra	The crumpled
10	"	15	"	"	Female	Africa Coll. Accra	The air
11	"	17	"	"	Male	Cikana Labadi	Because
12	"	16	"	"	"	Ere See Wokua	# I do
13	"	16	"	"	"	Royal Boys Accra	The air
14	"	15	"	"	"	X'borg Presbyt	The twisted
15	"	15	Ewe	Big Ada	"	Meth. Ada	It will fall
16	"	13	Ga	Accra	"	A.C.M. Korte Gona	The twisted
17	"						hold it
17	"	17	"	"	"	Meth. Accra	It falls
18	"	14	"	"	"	"	Crumpled one it away.

RENS' RESPONSES

TYPE OF
ANSWER

it and air can't carry it.

IA4 & IA1

is not ~~blowing~~ helping it as the flat one

IA1

it is heavy.

III 15

too heavy.

III 16

too heavy.

III 16

not hold it.

IA1

such a way that air cannot help it in the air.

IA1

heavy.

III 16

one is heavy.

III 16

can't hold it.

IA1

the air cannot support it.

IA1

not know.

III 17

cannot take it along.

IA1

one fall because it is heavy

III 15

because the air cannot support it.

IA1

one falls because the air can't

because it is heavy.

IA1

because it is heavy.

III 15

falls because the air can't take

IA1

PART II

MIDDLE

PUPILS G NO.	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	12	16	Ewe	Lome	Male	Anumle Coast	Predict lead
2	12	17	"	Achimota	"	"	All. They
3	12	13	"	Lome	"	"	^{Lead -} Both. They
4	12	16	Ga	X'borg	"	"	All. They are
5	12	16	Ewe	Lome	"	"	Lead. It
6	12	16	"	Anumle	"	"	Both. They
7	"	14½	Fanti	C. Coast	"	Cifford Camp	All will
8	"	14	Ewe	Prampram	"	X'borg Presby	They fall Both will equal. The
9	"	17	Ga	Accra	"	Royal Boys Accra	Wood - lead.
10	"	15	"	"	Female	Afric. Coll Accra	Lead - both
11	"	17	"	"	Male	Ghana Labadi	Lead - lead
12	"	16	"	"	"	Ere. Sec. Wokua	Lead - lead
13	"	16	"	"	"	Roy. Boys Acc.	Lead - Lead
14	"	15	"	"	"	X'borg Presby.	Lead - Lead
15	"	15	Ewe	Big Ada	"	Methodist Ada	Lead - All
16	"	13	Ga	Accra	"	R.C.M.K. Conna	Lead - Both
17	"	17	"	"	"	Meth. Accra	Lead - Lead
18	"	14	"	"	"	"	Lead - Lead weight.

RENS' RESPONSES

TYPE OF
ANSWER

i report lead. It is heavy. They hit together.	III 15 & 1A2
but all heavy. They hit hard.	I A 1
are equal. They hit hard on the floor	I A 1
equal. They hit together.	I A 1
is heavy. They fall strong.	III 16 & 1A2
are equal in size. They fall one time	I A 1
fall together at once. They are equal.	} I A 1
at once with a big noise.	
fall together. Because they are	
hit the floor with a big noise.	I A 1
It is heavy. Lead hit the ground more	III 16
All is heavy and the same. They hit together.	I A 1
It is too heavy than the other. Too much noise.	III 16
It is too heavy. Lead is different down.	III 16
Because it is heavy. Lead hit hard.	III 16
Because it is heavy Lead make big noise	III 16
They are equal. They fall one time.	I A 1
They are the same. They fall at once.	I A 1
Because it is heavier. Lead make much sound	III 15
It is heavy. Because the lead has more	
	III 15

PART II							MIDDLE
PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	13	16	Ewe	Lome	Male	Anamale Coast	The lid
2	"	17	"	Achimota	"	"	The air
3	"	13	"	Lome	"	"	The lid
4	"	16	Ga	X'borg	"	"	The air
5	"	16	Ewe	Lome	"	"	It is in
6	"	16	"	Anumale	"	"	The air
7	"	14½	Fanti	Cape Coast	"	Clifford Camp	Because
8	"	14	Ewe	Pramprom	"	X'borg Presbyt.	Because
9	"	17	Ga	Accra	"	Royal Boys Accra	It does not
10	"	15	"	"	Female	Africa Coll. Accra	The corners
11	"	17	"	"	Male	Ghana Labadi	The thing
12	"	16	"	"	"	Eree. Sec. Nkwa	Because
13	"	16	"	"	"	Royal B. Accra	Because
14	"	15	"	"	"	X'borg Presby	The wind
15	"	15	Ewe	Big Adia	"	Method. Adia	Because
16	"	13	Ga	Accra	"	R.E.M. Korte Conno	It is
17	"	17	"	"	"	Method. Accra	It was
18	"	14	"	"	"	"	The lid

RENS' RESPONSES

TYPE OF
ANSWER

hold it.	I B 6
press it.	III 16
hold it	I B 6
put it there	III 16
the lid.	III 16
press it. there	III 16
the lid support it.	III 15
it move fast.	III 15
fall because it is in the middle of the lid.	III 16
of the lid.	I B 6
catch it.	III 16
the penny is flat.	III 15
of the corners of the lid and air.	III 15
hold it tight on the lid.	I A 2
the penny is steel.	III 15
because of the air around.	I A 2
protected by the lid and wind	I B 6
hold it.	I B 6

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	14	16	Ewe	Lome	Male	Anumle Coast	You swing
2	"	17	"	Achumota	"	"	The air
3	"	13	"	Lome	"	"	The rope
4	"	16	Ga	X'borg	"	"	The rope
5	"	16	Ewe	Lome	"	"	I don't
6	"	16	"	Anumle	"	"	The air
7	"	14½	Fanti	Cape Coast	"	Giffard Camp	Your hand
8	"	14	Ewe	Prampam	"	X'borg Presby	You are
9	"	17	Ga	Accra	"	Royal Boys Accra	Because
10	"	15	"	"	Female	Afr. Coll. Accra	Air and
11	"	17	"	"	Male	Cibura Labadi	Your hand
12	"	16	"	"	"	Ere Sec. Wokua	Because
13	"	16	"	"	"	Royal Boys Accra	Because
14	"	15	"	"	"	X'borg Presbyt	It goes
15	"	15	Ewe	Big Ada	"	Methodist Ada	Because of
16	"	13	Ga	"	"	R.C.M. K. Gonno	You swing
17	"	17	"	"	"	Methodist Accra	The penny
18	"	14	"	"	"	"	You throw

FORM TWO RENS' RESPONSES

106

	TYPE OF ANSWER
it round	1 A 4
and your hand move it.	1 A 4
make it.	1 B 6
and the air make it.	1 B 6
know.	III 17
and the rope move it.	1 B 6
which you move makes it goes high.	1 A 4
swing it.	1 A 4
you turn it	1 A 4
the thread.	1 B 6
move round.	1 A 4
of its weight.	III 15
of the air.	III 15
higher because you swing your hand.	1 A 4
the rope and the swing.	1 B 6
it so that it goes up.	1 A 4
on the lid.	1 B 6
it round and round	1 A 4

TABULATED RESPONSES

QUESTIONS	1A1	1A2	1A3	1A4	1A5	1B6	1B7	1B8	TRICKERY
1						8		1	
2								8	
3	1								15
4	7					2			
5	7								
6	8	2			1	2			
7			1					12	
8	11								
9	7								
10	18								
11	2	15							
12	13	2				2	2		
13	10	2							
14	18								
15	13	4							
16	9					5			
17	15	1							
18	15								

PART II

1	1	2		1		1	1		
2	14								
3	18								
4	18								
5	6								
6	4								
7	17								
8									
9	6	2		1					
10	17						1		
11	10			1					
12	9	2							
13		2				5			
14				9		6			

Middle Form Two Environment

This is a class which has children from various schools but these schools are within the Accra Municipality, except the Methodist school at Ada.

The school environment of Anumle pupils ~~from~~ is the same as in middle form four. These are children from numbers 1 to 6. The ~~girls~~ parents of these children are illiterates. Two of them work in the University ~~in~~ in the ^{maintenance} ~~main~~ department, and one is in Achimota school as a Sanitary labourer. The others are farmers.

Parents of numbers seven to eighteen have literate fathers. Their mothers are illiterates except number eighteen's mother. Number eighteen's parents are very much interested in their child's education. The mother who was present during the investigation asked me what she could do to let her son come to Anumle Achimota secondary school. I told her that the child should take the Entrance Examination to the College.

Since most of the schools are ~~in~~ within the Municipality, the pupils are influenced by township life. I noticed that most of the children ~~were~~ were in the streets in the night till about one o'clock.

There are 17 boys out of the 18 pupils who were interviewed.

PUPILS NO.	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	M I D D L E C H I L D -
1	1	13	Ewe	Anumle	Male	Anumle Govt.	Hills were
2	"	12	Fanti	Akropong	Female	"	I do
3	"	13	Ga	Okro	Male	"	God made
4	"	12	Ga	Accra	"	"	Hills
5	"	10	Twɔ	Koforidua	"	"	Hills were
6	"	12½	Ga	Teshi	Female	"	God
7	"	13	"	Anumle	"	"	God make
8	"	12½	"	Accra	"	"	It was
9	"	13	Ewe	Keta	"	"	I don't know.
10	"	15	Ga	Accra	"	"	By God.
11	"	12	"	"	"	"	I don't know.
12	"	15	Ewe	Keta	"	"	I don't know.
13	"	13	Ga	Achimota	"	"	I don't know.
14	"	12	"	Accra	"	"	God.
15	"	12	Ewe	Ada	"	"	God.
16	"	11	"	Lome	"	"	I don't know.
17	"	12	Ga	X'borg	male	"	Sand,
18	"	14	"	"	"	"	Sand
19	"	11	"	Accra	"	"	God make
20	"	10	"	Okro	"	"	I don't know.
21	"	11	"	X'borg	"	"	It was made
22	"	11	"	Accra	"	"	I don't know.
23	"	12	"	"	"	"	I don't
24	"	12	"	"	"	"	God make
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	I do not
26	"	14	Fanti	Cape Coast	"	Affricas Coll. Accra	I do not
27	"	16	"	"	"	Govt Boys Cape Coast.	It made
28	"	15	Ga	Accra	"	X'borg Presby	God
29	"	14	"	"	"	Enabul Labadi	They were
30	"	14	"	"	"	Presbyt. Osu	I do not

FORM ONE

RENS' RESPONSES

TYPE OF
ANSWER

made by God.

II B 12

not know.

III 17

it.

II B 12

made by God.

II B 12

made with sand. What made it? I don't know.

I B 6 & III 17

II B 12

it.

II B 12

made by God.

II B 12

III 17

II B 12

III 17

III 17

III 17

II B 12

II B 12

III 17

stone & other thing make hill.

I B 6

make hill and stone.

I B 6

it.

II B 12

III 17

by God.

II B 12

III 17

know.

III 17

it.

II B 12

know.

III 17

know.

III 17

with the stone & sand which pack in one place

I B 6

made it.

II B 12

made by God.

II B 12

know.

III 17

PUPILS NO.	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD
1	2	13	Ewe	Anumle	Male	Anumle Govt	The rain
2	"	12	Fanti	Akropong	Female	"	The sea.
3	"	13	Ga	Oko	Male	"	God
4	"	12	"	Accra	"	"	I do not
5	"	10	Twi	Koforidua	"	"	God.
6	"	12½	Ga	Teshi	Female	"	I do not
7	"	13	"	Anumle	"	"	God.
8	"	12½	"	Accra	"	"	God make
9	"	13	Ewe	Keta	"	"	Rain falls
10	"	15	Ga	Accra	"	"	It make
11	"	12	"	"	"	"	I do not
12	"	15	Ewe	Keta	"	"	I do not
13	"	13	Ga	Achimota	"	"	No
14	"	12	"	Accra	"	"	God.
15	"	12	Ewe	Ada	"	"	God.
16	"	11	"	Lome	"	"	I do not
17	"	12	Ga	X'borg	"	"	Water
18	"	14	"	"	Male	"	I don't
19	"	11	"	Accra	"	"	God.
20	"	10	"	Oko	"	"	God.
21	"	11	"	X'borg	"	"	God make
22	"	11	"	Accra	"	"	I don't
23	"	12	"	"	"	"	God make
24	"	12	"	"	"	"	I don't
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	Water from heaven
26	"	14	Fanti	Cape Coast	"	Africa Coll. Accra	I do not
27	"	16	"	"	"	Govt Boys Cape Coast	I do not
28	"	15	Ga	Accra	"	X'borg Presbyt.	I do not
29	"	14	"	"	"	Enebel Labadi	Rain. What
30	"	14	"	"	"	Osu Presbyt.	Rain make rain fall

FORM ONE RENS' RESPONSES

TYPE OF
ANSWER

fall in a hole. What made the hole? I do not know	I A 2 & II 17
made it.	III 16
know.	II B 12
know.	III 17
know.	II B 12
it.	III 17
in big holes and make a lake.	II B 12
by God.	I A 2
know.	II B 12
know.	III 17
know.	III 17
	III 16
	II B 12
	II B 12
know.	III 17
make it. How did it do it? I do not know	I B 8 & III 17
know.	III 17
	II B 12
	II B 12
it.	II B 12
know.	III 17
it.	II B 12
know.	III 17
stay there because the place is not flat.	I A 2
know.	III 17
know.	III 17
know.	III 17
did it do? It collect in that valley.	I A 2
them. How does it do it? A big hole,	
in it and form lake.	I A 2

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	3	13	Ewe	Anumle	Male	Anumle Govt	Waves
2	"	12	Fanti	Akropong	Female	"	I do not
3	"	13	Ga	Oko	Male	"	England.
4	"	12	"	Accra	"	"	They come
5	"	10	Twi	Koforidua	"	"	From
6	"	12½	Ga	Teshi	Female	"	From
7	"	13	"	Anumle	"	"	God.
8	"	12½	"	Accra	"	"	God make
9	"	13	Ewe	Keta	"	"	From the
10	"	15	Ga	Accra	"	"	I don't
11	"	12	"	"	"	"	I do
12	"	15	Ewe	Keta	"	"	From
13	"	13	Ga	Achimota	"	"	They come
14	"	12	"	Accra	"	"	I do
15	"	12	Ewe	Ada	"	"	It comes
16	"	11	"	Lome	"	"	It comes
17	"	12	Ga	X'borg	"	"	It comes
18	"	14	"	"	Male	"	It come
19	"	11	"	Accra	"	"	They come
20	"	10	"	Oko	"	"	From the
21	"	11	"	X'borg	"	"	From
22	"	11	"	Accra	"	"	From
23	"	12	"	"	"	"	They
24	"	12	"	"	"	"	The air.
25	"	16	Ewe	Keta	"	R.C. M. Adabraka	It comes
26	"	14	Fanti	Cape Coast	"	Africa Coll. Accra	From the
27	"	16	"	"	"	Govt Boys C. Coast	They
28	"	15	Ga	Accra	"	X'borg Presby	They
29	"	14	"	"	"	Enbal Labadi	From
30	"	14	"	"	"	Osu Presbyt.	Waves

FORM ONE
 RENS' RESPONSES
 come from the sea.
 know.

TYPE OF
 ANSWER

Trickery

III 17

III 16

from the sea.

Trickery

the sea.

"

the sea.

"

II B 12

it.

II B 12

sea.

Trickery

know.

III 17

not know.

III 17

the sea.

Trickery

from the sea.

"

not know.

III 17

from the sea.

Trickery

far in the sea.

"

from the sea.

"

from the sea.

"

from the sea.

"

sea

"

the sea

"

the wind

I A 1

come from the land.

III 16

I A 1

from the sea.

Trickery

eastern side of the sea.

"

come from on top the sea.

"

come from the sea

"

the sea

"

come from inside the sea.

"

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	4	13	Ewe	Anumle	Male	Anumle Govt.	1 do not
2	"	12	Fanti	Akropong	Female	"	1 do not
3	"	13	Ga	Oko	Male	"	1 do not
4	"	12	"	Accra	"	"	Because
5	"	10	Twi	Koforidua	"	"	1 do not
6	"	12½	Ga	Teshi	Female	"	Good make
7	"	13	"	Anumle	"	"	1 do not
8	"	12½	"	Accra	"	"	1 do not
9	"	13	Ewe	Keta	"	"	Air.
10	"	15	Ga	Accra	"	"	1 don't
11	"	12	"	"	"	"	So that
12	"	15	Ewe	Keta	"	"	1 don't
13	"	13	Ga	Achimota	"	"	1 do not
14	"	12	"	Accra	"	"	Because
15	"	12	Ewe	Ada	"	"	1 don't
16	"	11	"	Lome	"	"	1 don't
17	"	12	Ga	X'borg	"	"	The wind
18	"	14	"	"	Male	"	Because
19	"	11	"	Accra	"	"	The air
20	"	10	"	Oko	"	"	The wind.
21	"	11	"	X'borg	"	"	Because
22	"	11	"	Accra	"	"	1 do not
23	"	12	"	"	"	"	Because
24	"	12	"	"	"	"	The breeze
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	Because
26	"	14	Fanti	Cape Coast	"	Afric. Coll. Accra	From the
27	"	16	"	"	"	Govt. Boys Cape Coast	Because
28	"	15	Ga	Accra	"	X'borg Presbyt.	1 do not
29	"	14	"	"	"	Enobal Labadi	Rocks cause
30	"	14	"	"	"	Osu Presbyt.	Because holes to them ,

FORM ONE RENS' RESPONSES

114

	TYPE OF ANSWER
know.	III 17
know.	III 17
know.	III 17
the the sea turns	III 15
know.	III 17
it so.	II B 12
know.	III 17
know.	III 17
	I A I
know.	III 17
you swim in	II C 14
know.	III 17
know.	III 17
there is stone in it	III 15
know.	III 17
know.	III 17
blow.	I A I
the sea is big.	III 15
to blow.	I A I
	I A I
of breeze.	I A I
know.	III 17
the wind blow the water.	I A I
which blow.	I A I
of its shaking. What shakes? Sea	III 15
western side when the wind blows	I A I 17
how God make it.	II B 12
know.	III 17
waves.	I B 6
are in the sea and when water go	
they make waves.	I B 6

PUPILS NO.	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD - Because
1	5	13	Ewe	Anumle	Male	Anumle Govt	
2	"	12	Fanti	Akropong	Female	"	I do not
3	"	13	Ga	Oko	Male	"	I do not
4	"	12	"	Accra	"	"	If plenty
5	"	10	Twi	Koforidua	"	"	I do not
6	"	12½	Ga	Teshi	Female	"	I do not
7	"	13	"	Anumle	"	"	I do not
8	"	12½	"	Accra	"	"	I do not
9	"	13	Ewe	Keta	"	"	A heavy
10	"	15	Ga	Acca	"	"	I do not
11	"	12	"	"	"	"	I do not
12	"	15	Ewe	Keta	"	"	I do not
13	"	13	Ga	Achimota	"	"	I do not
14	"	12	"	Accra	"	"	Because
15	"	12	Ewe	Ada	"	"	I don't
16	"	11	"	Lome	"	"	I don't
17	"	12	Ga	X'borg	"	"	I don't
18	"	14	"	"	Male	"	We have
19	"	11	"	Accra	"	"	Unless you
20	"	10	"	Oko	"	"	I do not
21	"	11	"	X'borg	"	"	I do not
22	"	11	"	Accra	"	"	I do not
23	"	12	"	"	"	"	I do not
24	"	12	"	"	"	"	The weather change
25	"	16	Ewe	Keta	"	Adabak Rem	I do not
26	"	14	Fanti	C. Coast	"	Afr. Coll. Accra	When the air blow
27	"	16	"	"	"	Govt C. Coast	When the sea spoil
28	"	15	Ga	Accra	"	X'borg Presby	I do not
29	"	14	"	"	"	Enobal Kabadi	I do not
30	"	14	"	"	"	Osu Presby	Sometime it has plenty

FORM ~~ONE~~ ONE RENS' RESPONSES

TYPE OF
ANSWER

the air does not blow always.	I A 1
know.	III 17
know.	III 17
of water come it spoil.	III 16
know.	III 17
know.	III 17
know.	III 17
know.	III 17
air blow.	III 16
know.	III 17
know.	III 17
know	III 17
know	III 17
the wind dont blow all days	I A 1
know.	III 17
know.	III 17
know.	III 17
waves all days	III 16
have winds you cannot have waves	I A 2
know.	III 17
know.	III 17
know.	III 17
know.	III 17
and the wind is blow very hard only on ^{some} days	I A 1
know.	III 17
too much the sea use to go only on that day.	I A 1
it come up. and people do not go to fish.	II C 14
know.	III 17
know.	III 17
full and make high wave because it of water.	I B 6

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD
1	6	13	Ewe	Anumankle	Male	Anumankle Govt.	Because
2	"	12	Fanti	Akropong	Female	"	I do not
3	"	13	Ga	Oko	male	"	It move
4	"	12	"	Accra	"	"	I do not
5	"	10	Twi	Koforidua	"	"	The air
6	"	12½	Ga	Accra Teshi	Female	"	The air
7	"	13	"	Anumankle	"	"	I do not
8	"	12½	"	Accra	"	"	I do not
9	"	13	Ew	Keta	"	"	It come
10	"	15	Ga	Accra	"	"	Because it
11	"	12	"	"	"	"	The water
12	"	15	Ewe	Keta	"	"	I do not
13	"	13	Ga	Achimota	"	"	I do not
14	"	12	"	Accra	"	"	Because
15	"	12	Ewe	Ada	"	"	I do not
16	"	11	"	Lome	"	"	It is big
17	"	12	Ga	X'borg	"	"	Because
18	"	14	"	"	Male	"	So that
19	"	11	"	Accra	"	"	It come
20	"	10	"	Oko	"	"	I do not
21	"	11	"	X'borg	"	"	Wind
22	"	11	"	Accra	"	"	The wind
23	"	12	"	"	"	"	Because
24	"	12	"	"	"	"	I do not
25	"	16	Ewe	Keta	"	Rem Adabraka	It move
26	"	14	Fanti	C-Coast	"	Afri. Coll. Accra	Densu comes
27	"	16	"	"	"	Govt Boys C-coast	There are many
28	"	15	Ga	Accra	"	X'borg Presbyt.	It wants to
29	"	14	"	"	"	Enobal Labadi	I do not
30	"	14	"	"	"	Osu Presbyt.	Because the up

FORM ONE RENS' RESPONSES

TYPE OF ANSWER

it has some way to pass.

III 15

know.

III 17

to the sea.

I B 8

live there.

II 16

blow the water.

I A 5

blow & it flow.

I A 5

know.

III 17

know.

III 17

far and from a hill

I A 1

is full.

III 15

is full.

III 16

know.

III 17

know.

III 17

it is large

III 15

know.

III 17

III 16

~~it~~ is water flow.

III 15 & 18

people may drink

II C 14

from a high place.

I A 1

know.

III 17

blow it.

I A 5

blow it.

I A 5

it comes from a hill.

I A 1

know.

III 17

from a high ground to a flat place.

I A 1

from mountains and pass to low land.

I A 1

holes in the river, so water go there.

III 16

go downward.

I B 8

know.

III 17

water can go down and not ~~climb~~ climb

I B 8

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD —
1	7	13	Ewe	Anumale	Male	Anumale Coast	Wind comes
2	"	12	Fanti	Akropong	Female	"	Wind comes
3	"	13	Ga	Oko	Male	"	The winds
4	"	12	"	Accra	"	"	Wind come
5	"	10	Twi	Koforidua	"	"	From the
6	"	12½	Ga	Teshi	Female	"	It come
7	"	13	"	Anumale	"	"	From trees.
8	"	12½	"	Accra	"	"	I do not
9	"	13	Ewe	Keta	"	"	From the
10	"	15	Ga	Accra	"	"	From the
11	"	12	"	"	"	"	It comes
12	"	15	Ewe	Keta	"	"	From the
13	"	13	Ga	Achimota	"	"	It comes
14	"	12	"	Accra	"	"	From the
15	"	12	Ewe	Ada	"	"	From the
16	"	11	"	Lome	"	"	From the
17	"	12	Ga	X'borg	"	"	From the
18	"	14	"	"	Male	"	From the
19	"	11	"	Accra	"	"	It comes
20	"	10	"	Oko	"	"	It comes
21	"	11	"	X'borg	"	"	It comes
22	"	11	"	Accra	"	"	It comes
23	"	12	"	"	"	"	It comes
24	"	12	"	"	"	"	From the
25	"	16	Ewe	Keta	"	R.C.M. Adakronka	It comes
26	"	14	Fanti	C. Coast	"	Africa Coll. Ac.	From air.
27	"	16	"	"	"	Coast Boys C. Coast	From sea.
28	"	15	Ga	Accra	"	X'borg Presby	From heaven.
29	"	14	"	"	"	Enobal Labadi	It comes
30	"	14	"	"	"	Osu Presbyt.	The come

FORM ONE RENS' RESPONSES

117

TYPE OF
ANSWER

from the earth.	III 16
from trees.	1 B 8
come from England.	III 16
from East.	1 B 8
south.	1 B 8
from the south.	1 B 8
	1 B 8
know.	III 17
sea.	1 B 8
sea-side.	1 B 8
from the air.	1 A 2
air.	1 A 2
from the trees.	1 B 8
sea.	1 B 8
trees.	1 B 8
north.	1 B 8
tree.	1 B 8
sea.	1 B 8
From the sea.	1 B 8
from the sea.	1 B 8
from the trees.	1 B 8
from heaven the Lord	II B 12
from heaven.	III 16
sea.	1 B 8
heaven.	III 16
	1 A 2
	1 B 8
	III 16
from trees.	1 B 8
from the sky.	III 16

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	8	1.3	Ewe	Anumle	Male	Anumle Court	I do not
2	"	12	Fanti	Akropong	Female	"	I do not
3	"	13	Ga	Oko	Male	"	I do not
4	"	12	"	Accra	"	"	The sun.
5	"	10	Twi	Koforidua	"	"	The sun.
6	"	12½	Ga	Teshi	Female	"	God made
7	"	13	"	Anumle	"	"	I can't
8	"	12½	"	Teshi	"	"	No one
9	"	13	Ewe	Keta	"	"	The air.
10	"	15	Ga	Accra	"	"	The sky
11	"	12	"	"	"	"	I don't
12	"	15	Ewe	Keta	"	"	I don't
13	"	13	Ga	Achimota	"	"	I don't
14	"	12	"	Accra	"	"	The sun.
15	"	12	Ewe	Ada	"	"	Wind
16	"	11	"	Lome	"	"	Wind
17	"	12	Ga	X'borg	"	"	The Lord
18	"	14	"	Accra	Male	"	I do not
19	"	11	"	Accra	"	"	The sky
20	"	10	"	Oko	"	"	The air
21	"	11	"	X'borg	"	"	The air
22	"	11	"	Accra	"	"	The air
23	"	12	"	"	"	"	The wind
24	"	13	"	"	"	"	The air
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	Because of
26	"	14	Fanti	C. coast	"	Afr. Coll. Accra	The eclipse
27	"	16	"	"	"	Growth C. Coast	Because
28	"	15	Ga	Accra	"	X'borg Presby	I do not
29	"	14	"	"	"	Enobal Labadi	I do not
30	"	14	"	"	"	Osu Presbyt	Rain makes

FORM ONE RENS' RESPONSES

118

know.

TYPE OF
ANSWER

III A 17

know.

III 17

know.

III 17

III 16

III 16

them to move

II B 12

tell

III 17

do not know.

III A 17

I A 1

move with it.

III 16

know.

III 17

know.

III 17

know.

III 17

III 16

I A 1

I A 1

II B 12

know.

III 17

makes it move

III 16

I A 1

I A 1

I A 1

I A 1

I A 1

the heat.

III 15

of the moon (Translated from Gax)

III 16

how God make it

II B 12

know.

III 17

know.

III 17

them fall when they are heavy

III 16

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD
1	9	13	Ewe	Anumale	Male	Anumale Coast	I do not
2	"	12	Fanti	Akropong	Female	"	I do not
3	"	13	Ga	Okro	Male	"	I do not
4	"	12	"	Accra	"	"	It is near
5	"	10	Twi	Koforidua	"	"	God put
6	"	12½	Ga	Teshi	Female	"	I do not
7	"	13	"	Anumale	"	"	I do not
8	"	12½	"	Accra	"	"	The sky
9	"	13	Ewe	Keta	"	"	God put
10	"	15	Ga	Accra	"	"	I don't
11	"	12	"	"	"	"	Because
12	"	15	Ewe	Keta	"	"	I do not
13	"	13	Ga	Achimota	"	"	I do not
14	"	12	"	Accra	"	"	Because
15	"	12	Ewe	Ada	"	"	It is not
16	"	11	"	Lome	"	"	It is not
17	"	12	Ga	X'borg	"	"	Because
18	"	14	"	"	Male	"	I do not
19	"	11	"	Accra	"	"	They are
20	"	10	"	Okro	"	"	I do not
21	"	11	"	X'borg	"	"	Because
22	"	11	"	Accra	"	"	The air
23	"	12	"	"	"	"	God put
24	"	12	"	"	"	"	I do not
25	"	16	Ewe	Keta	"	Rcm Adabraka	By the
26	"	14	Fanti	C Coast	"	Afric. Coll. Accra	Steel hold
27	"	16	"	"	"	Gout. Boys C. Coast	God make
28	"	15	Ga	Accra	"	X'borg Presbyt.	I do not
29	"	14	"	"	"	Enobal Labadi	It is not
30	"	14	"	"	"	Osu Presbyt	They are

FORM ONE RENS' RESPONSES

119

	TYPE OF ANSWER
know.	III 17
know.	III 17
know.	III 17
the sky. It is not something to come down	III 16
them there.	II B 12
know.	III 17
know.	III 17
carry the clouds.	III 16
them there.	II B 12
know.	III 17
it is not heavy.	III 15
know.	II 17
know.	III 17
God does not want it.	II B 12
heavy.	IA 2
heavy.	IA 2
God is holding it.	II B 12
know.	III 17
not heavy.	IA 1
know	III 17
some power up hold it.	II A 9
stop it.	III 16
it up.	II B 12
know.	III 17
wind not blow.	III 16
the clouds up.	III 16
it.	II B 12
know.	III 17
heavy.	IA 2
like air	IA 2

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD —
1	10	13	Ewe	Anumle	Male	Anumle Govt	The air.
2	"	12	Fanti	Akropong	Female	"	The air.
3	"	13	Ga	Okro	Male	"	Air.
4	"	12	"	Accra	"	"	A wind.
5	"	10	Twi	Koforidua	"	"	The air.
6	"	12 $\frac{1}{2}$	Ga	Teshi	Female	"	Air.
7	"	13	"	Anumle	"	"	Air.
8	"	12 $\frac{1}{2}$	"	Accra	"	"	Wind.
9	"	13	Ewe	Keta	"	"	If air
10	"	15	Ga	Accra	"	"	I do not
11	"	12	"	"	"	"	It is
12	"	15	Ewe	Keta	"	"	Wind Air
13	"	13	Ga	Achimota	"	"	I do not
14	"	12	"	Accra	"	"	Because
15	"	12	Ewe	Ada	"	"	Wind.
16	"	14	"	Lome	"	"	Air.
17	"	12	Ga	X'borg	"	"	I do not
18	"	14	"	"	Male	"	Air
19	"	11	"	Accra	"	"	It is
20	"	10	"	Okro	"	"	I do not
21	"	11	"	X'borg	"	"	The air.
22	"	11	"	Accra	"	"	Air.
23	"	12	"	"	"	"	The air.
24	"	12	"	"	"	"	The air.
25	"	16	Ewe	Keta	"	R.M. Adabraka	The air.
26	"	14	Fanti	C. Coast	"	Afric. Coll. Ac.	Air.
27	"	16	"	"	"	Govt. Boys C. Coast	The breeze.
28	"	15	Ga	Accra	"	X'borg Presbyt	It carry
29	"	14	"	"	"	Enobal Labadi	Air carry
30	"	14	"	"	"	Osu Presbyt.	The air

FORM ONE
RENS' RESPONSES

120

TYPE OF
ANSWER

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

|| 17

| A 2

| A |

|| 17

| A 2

| A |

| A |

|| 17

| A |

| A |

|| 17

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

| A |

go in it, it go up
know.
not heavy

know.
it is not heavy.

know.

because of air.
know.

up by wind.
it up.
makes it go up.

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD
1	11	13	Ewe	Anumle	Male	Anumle Govt	I do not
2	"	12	Fanti	Akropong	Female	"	I do not
3	"	13	Ga	Oko	Male	"	When it
4	"	12	"	Accra	"	"	His engine
5	"	10	Twi	Koforidua	"	"	An engine
6	"	12½	Ga	Teshi	Female	"	Engine
7	"	13	"	Anumle	"	"	It has
8	"	12½	"	Accra	"	"	The engine
9	"	13	Ewe	Keta	"	"	The wind
10	"	15	Ga	Accra	"	"	It is
11	"	12	"	"	"	"	I do not
12	"	15	Ewe	Keta	"	"	They run
13	"	13	Ga	Achimota	"	"	Because the
14	"	12	"	Accra	"	"	I don't
15	"	12	Ewe	Ada	"	"	I don't
16	"	14	"	Lome	"	"	Because
17	"	12	Ga	X'borg	"	"	The engine
18	"	14	"	"	Male	"	The motor
19	"	11	"	Accra	"	"	Because it
20	"	10	"	Oko	"	"	Because it
21	"	11	"	X'borg	"	"	The propeller
22	"	11	"	Accra	"	"	The air
23	"	12	"	"	"	"	The engine
24	"	12	"	"	"	"	The drivers
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	Its winds
26	"	14	Fanti	C. Coast	"	Afri. Coll. Accra	Air and
27	"	16	"	"	"	Cent. Boys C. Coast	Because
28	"	15	Ga	Accra	"	X'borg Presbyt	It have
29	"	14	"	"	"	Enobal Labadi	It get
30	"	14	"	"	"	Osu Presbyt	I do not

FORM ONE PUPILS' RESPONSES

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TYPE OF
ANSWER

know.	III 17
know.	III 17
get petrol.	I B 6
	IA 2
help it	IA 2
	IA 2
elastic engine.	IA 2
and air help it.	IA 2
blow.	IA 2
big.	III 16
know.	III 17
very hard.	III 16
drivers take it up.	I B 7
know.	III 17
know.	III 17
the propeller hold it.	III 15
	IA 2
which takes makes it not to fall.	III 16
is very fast	III 15
goes high.	III 15
	III 16
and the propeller.	IA 2
and air.	IA 2
	I B 7
and engine.	IA 2
engine.	IA 2
aeroplane have engine.	IA 2
engine	IA 2
engine and propeller.	IA 2
know	III 17

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD—
1	12	13	Ewe	Anumle	Male	Anumle Govt.	I do not
2	"	12	Fanti	Akropong	Female	"	I don't
3	"	13	Ga	Oko	Male	"	It works
4	"	12	"	Accra	"	"	The government
5	"	10	Twi	Koforidua	"	"	If you speak
6	"	12½	Ga	Teshi	Female	"	Air and
7	"	13	"	Anumle	"	"	I do not
8	"	12½	"	Accra	"	"	Man makes
9	"	13	Ewe	Keta	"	"	The air
10	"	15	Ga	Accra	"	"	You talk
11	"	12	"	"	"	"	I do not
12	"	15	Ewe	Keta	"	"	I do not
13	"	13	Ga	Achimota	"	"	Man work
14	"	12	"	Accra	"	"	Man talk
15	"	12	Ewe	Ada	"	"	Air
16	"	14	"	Lome	"	"	I do not
17	"	12	Ga	X'borg	"	"	A person.
18	"	14	"	"	Male	"	Man make
19	"	11	"	Accra	"	"	The wire
20	"	10	"	Oko	"	"	The wire
21	"	11	"	X'borg	"	"	Electric
22	"	11	"	Accra	"	"	Some power
23	"	12	"	"	"	"	I do not
24	"	12	"	"	"	"	I do not
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	It works
26	"	14	Fanti	C. Coast	"	Afr. Coll Accra	When someone
28	"	15	Ga	Accra	"	X'borg Presby	If you take will hear what
27	"	16	Fanti	C. Coast	"	Govt. Boys C. Coast	Because they
29	"	14	Ga	Accra	"	Enobal Labadi	We speak
30	"	14	"	"	"	Osu Presby	You can ring makes it.

FORM ONE

RENS' RESPONSES.

122

TYPE & PER

know. Electric power.	III 17 & 1A1
know.	III 17
when you call somebody. Electric make it.	1A1
department make it. The wire & engine	1A2 & 1B7
through. The wire.	1A2
wire.	1A2
know.	III 17
it work.	1B7
and the engine	1A2
in it.	1A4
know.	III 17
know.	III 17
it.	1B7
and it works. The air and wire	1B7 & 1A2
	III 16
'know	III 17
	1B7
it	1B7
-and electric.	1A1
and the electric carry the speak.	1A1
work it-	1A1
and wire.	1A2
know.	III 17
know.	III 17
through its wires. By the heat of the electric	1A1
speak to his friend. Electric	1A1
a telephone you ring somebody, he	
you say. Electric carry the talk	1A1
they have put wire. Electric	1A1
in the phone. Electricity	1A1
anybody and talk to him. Electricity	
	1A1

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	13	13	Ewe	Anumle	Male	Anumle Coast	Because I
2	"	12	Fanti	Awopong	Female	"	So that we
3	"	13	Ga	Accra	Male	"	When the sun
4	"	12	"	"	"	"	The moon
5	"	10	Twi	Koforidua	"	"	I do not
6	"	12½	Ga	Teshi	Female	"	God made
7	"	13	"	Anumle	"	"	I do not
8	"	12½	"	Accra	"	"	So that I
9	"	13	Ewe	Keta	"	"	The day will
10	"	15	Ga	Accra	"	"	When the
11	"	12	"	"	"	"	Because you
12	"	15	Ewe	Keta	"	"	He comes
13	"	13	Ga	Accra	"	"	The sun
14	"	12	"	Achimota	"	"	Because
15	"	12	Ewe	Ada	"	"	When sun
16	"	14	"	Lome	"	"	Because
17	"	12	Accra	X'borg	"	"	Because
18	"	14	"	"	Male	"	So that
19	"	11	"	Accra	"	"	Because
20	"	10	"	Oko	"	"	Because
21	"	11	"	X'borg	"	"	Because
22	"	11	"	Accra	"	"	Because
23	"	12	"	"	"	"	When the
24	"	12	"	"	"	"	So that
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	Because
26	"	14	Fanti	C. Coast	"	Afr. Coll. Accra	When the
27	"	16	"	"	"	Govt. Boys C. coast.	I do not
28	"	15	Ga	Accra	"	X'borg Presbyt.	The teacher say
29	"	14	"	"	"	Enobal Labadi	Because
30	"	14	"	"	"	Osu Presbyt.	I do not

RENS' RESPONSES

TYPE OF ANSWER

hear that the world is round.	III 15
sleep.	II C 14
go we get right.	III 15
cover the sun.	III 16
know.	III 17
it to come.	II B 12
know.	III 17
may sleep	II C 14
run & it becomes night.	III 16
sun go down.	III 16
will sleep.	II C 14
before we sleep	III C 14
goes at side and night comes.	III 16
if there is no night we cannot sleep.	II C 14
goes another side.	III 16
the sun go down.	III 15
the sun falls.	III 15
we sleep.	II C 14
we have no sun.	III 15
the sun went	III 15
the the sun go round.	III 15
the sun goes round all day.	III 15
sun go down	III 16
we may sleep	II C 14
the world moves about	I A 3
sun moves to the west we have night	III 16
know	III 17
the earth and the ground move with we	III 16
the sun move	III 15
know.	III 17

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	14	13	Ewe	Anumale	Male	Anumale Govt	We sow
2	"	12	Fanti	Akropong	Female	"	When you
3	"	13	Ga	Accra	Male	"	When you
4	"	12	"	"	"	"	You bury
5	"	10	Twi	Koforidua	"	"	You plant
6	"	12½	Ga	Teshi	Female	"	We plant
7	"	13	"	Anumale	"	"	I do not
8	"	12½	"	Accra	"	"	We plant
9	"	13	Ewe	Keta	"	"	If you
10	"	15	Ga	Accra	"	"	When the
11	"	12	"	"	"	"	You will
12	"	15	Ewe	Keta	"	"	I will
13	"	13	Ga	Achimota	"	"	I don't
14	"	12	"	Accra	"	"	We plant
15	"	15	Ewe	Lome	"	"	You plant
16	"	14	Ewe	Ada	"	"	You plant
17	"	12	Ga	Xiborg	"	"	We sow
18	"	14	"	"	Male	"	In a seed.
19	"	11	"	Accra	"	"	You plant
20	"	10	"	Oko	"	"	You will
21	"	11	"	Xiborg	"	"	We plant
22	"	11	"	Accra	"	"	The seed
23	"	12	"	"	"	"	We sow
24	"	12	"	"	"	"	You will
25	"	16	Ewe	Keta	"	R.G.M. Adabraka	You ^{have to} sow sow
26	"	14	Fanti	C. coast	"	Afri. Coll. Accra	We have to
27	"	16	"	"	"	Govt. Boys C. coast	If you get a
28	"	15	Ga	Accra	"	Xiborg Presbyt.	Plant seed.
29	"	14	"	"	"	Enobal Labadi	We put the
30	"	14	"	"	"	Osu Presbyt.	I will plant

RENS' RESPONSES

TYPE OF ANSWER

seeds.	A
plant them.	A 16
put a seed in a hole.	A
the seed.	A
the seed.	A
our seed.	A
know.	A 17
fruit.	A
get the seed and plant.	A
rain make seed grow.	A
water the seed.	A
plant it. What will you plant? A seed.	A
know.	17
the seed.	A
the seed.	A
seed seed.	A
seed.	A
	A
a seed.	A
plant seed.	A
a seed.	A
will grow small, small.	A
a seed.	A
sow a seed	A
the seed.	A
sow the seeds.	A
little seed and you dig a hole, it will grow.	A
	A
seed in the ground.	A
the seed	A

PUPILS NO	QUEST.	AGE	TRIBE	TOWIN	SEX	SCHOOL	MIDDLE CHILD -
1	15	13	Ewe	Anumle	Male	Anumle Govt.	They keep
2	"	12	Fanti	Akropong	Female	"	It makes
3	"	13	Ga	Accra	male	"	It cook
4	"	12	"	"	"	"	A root
5	"	10	Twɔ	Koforidua	"	"	It give
6	"	12½	Ga	Teshi	Female	"	It help
7	"	13	"	Anumle	"	"	They cure
8	"	12	"	Accra	"	"	The root
9	"	13	Ewe	Keta	"	"	The root
10	"	15	Ga	Accra	"	"	The root
11	"	13	"	"	"	"	He cook
12	"	12	Ewe	Keta	"	"	It holds
13	"	13	Ga	Achimota	"	"	They cook
14	"	12	"	Accra	"	"	Roots cook
15	"	15	Ewe	Keta	"	"	They cook
16	"	14	"	Lome	"	"	It cook
17	"	12	Ga	X'borg	"	"	They bring
18	"	14	"	"	Male	"	It cook
19	"	11	"	Accra	"	"	They get
20	"	10	"	Oko	"	"	Roots give
21	"	11	"	X'borg	"	"	Roots cook
22	"	11	"	Accra	"	"	They cook
23	"	12	"	"	"	"	It cook
24	"	12	"	"	"	"	It hold
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	It give the tree
26	"	14	Fanti	C. Coast	"	Afr. Coll. Accra	It give the
27	"	16	"	"	"	Govt Boys c. coast	It use to give
28	"	15	Ga	Accra	"	X'borg Presbyt	It bring it
29	"	14	"	"	"	Enabul Labadi	It bring it
30	"	14	"	"	"	Osu Presbyt	The root

RENS' RESPONSES

TYPE OF
ANSWER

the plant to stand still.	1 A 2
the plant to stand still.	1 A 2
for the plant.	III 16
cook for the plant.	III 16
the plant water.	1 A 2
the plant to stand properly.	1 A 2
medicine.	1 A 2
give the plant water.	1 A 2
hold the plant firm.	1 A 2
is hold the tree.	1 A 2
for the plant.	III 16
the plant.	1 A 2
for the plant.	III 16
for the plant.	III 16
for the plant.	III 16
the food to the plant.	1 A 1
food.	III 16
food and send it to the tree.	1 A 1
the plant eating.	1 A 1
for the plant.	III 16
for the tree.	III 16
food.	III 16
the plant	1 A 2
food & it make the tree grow up.	1 A 1
stem and branches food.	1 A 1
it feed, water and fruit.	1 A 1
food from the ground.	1 A 1
food from the ground.	1 A 1
take up the water.	1 A 2

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD
1	16	13	Ewe	Anumale	Male	Anumale Coast	The flower
2	"	12	Fanti	Akropong	Female	"	I do not
3	"	13	Ga	Accra	Male	"	Flowers
4	"	12	"	"	"	"	You put
5	"	10	Twi	Koforidua	"	"	To keep it
6	"	12½	Ga	Teshi	Female	"	It give
7	"	13	"	Anumale	"	"	Flower is
8	"	12	"	Accra	"	"	For five
9	"	13	Ewe	Keta	"	"	To make
10	"	15	Ga	Accra	"	"	It give
11	"	13	"	"	"	"	I do not
12	"	12	Ewe	Keta	"	"	It five
13	"	13	Ga	Achimota	"	"	To make
14	"	12	"	Accra	"	"	We put
15	"	15	Ewe	Ada	"	"	Flower is
16	"	14	"	Lome	"	"	I do not
17	"	12	Ga	X'borg	"	"	For birds
18	"	14	"	"	Male	"	I do not
19	"	11	"	Accra	"	"	It make
20	"	10	"	Oko	"	"	I do not
21	"	11	"	X'borg	"	"	I do not
22	"	11	"	Accra	"	"	I do not
23	"	12	"	"	"	"	I do not
24	"	12	"	"	"	"	I do not
25	"	16	Ewe	Keta	"	R.C.M. Adakrakpa	We take it to
26	"	14	Fanti	C. Coast	"	Afr. Coll. Accra	It makes our
27	"	16	"	"	"	Govt. Boys C. Coast	It give food
28	"	15	Ga	Accra	"	X'borg Presbyt	To make our
29	"	14	"	"	"	Enobal Labadi	The flower
30	"	14	"	"	"	Osu Presbyt	We cut it

FORM ONE

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RENS' RESPONSES

TYPE OF /
ANSWER

cook for the plant.

III 16

know.

III 17

gather water.

III 16

it on the table

II C 14

in your room.

II C 14

good smell.

I B 6

good for people.

II C 14

the room.

II C 14

room fine.

II C 14

us good smell.

I B 6

know.

III 17

your house.

II C 14

a tree look fine.

I B 8

it in our rooms.

I A 1

do fruit.

I A 1

know.

III 17

know

III 17

seed by the butter-fly

I A 1

know.

III 17

know.

III 17

know.

III 17

know.

III 17

know.

III 17

make our rooms nice.

II C 14

houses beautiful.

II C 14

and water

III 16

house beautiful. It make the fruit for the plant.

II C 14 & I A 1

make the seed.

I A 1

and make our house beautiful.

II C 14

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD --
1	17	13	Ewe	Anumale	Male	Anumale Govt.	A tree
2	"	12	Fanti	Akropong	Female	"	I do not
3	"	13	Ga	Accra	Male	"	A tree
4	"	12	"	"	"	"	If rain
5	"	10	Twi	Koforidua	"	"	From a
6	"	12½	Ga	Accra Teshi	Female	"	When you
7	"	13	"	Anumale	"	"	I do not
8	"	12½	"	Accra	"	"	I do not
9	"	13	Ewe	Keta	"	"	Its begin
10	"	15	Ga	Accra	"	"	It begin
11	"	13	"	"	"	"	Because
12	"	12	Ewe	Keta	"	"	Small.
13	"	13	Ga	Achimota	"	"	I don't know.
14	"	12	"	Accra	"	"	Small then
15	"	15	Ewe	Ada	"	"	From the
16	"	14	"	home	"	"	I don't
17	"	12	Ga	X'borg	"	"	I don't
18	"	14	"	"	Male	"	I don't
19	"	16	"	Accra	"	"	When rain
20	"	10	"	Oke	"	"	The plant
21	"	11	"	X'borg	"	"	I do not
22	"	11	"	Accra	"	"	I do not
23	"	12	"	"	"	"	I do not
24	"	12	"	"	"	"	I do not
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	It begin
26	"	14	Fanti	Cape Coast	"	Africa Coll. Accra	If you
27	"	16	"	"	"	Govt Boys C. Coast	A tree begin
28	"	15	Ga	Accra	"	X'borg Presbyt.	It begin
29	"	14	"	"	"	Enobal Labadi	The plant
30	"	14	"	"	"	Osu Presbyt.	A tree

RENS' RESPONSES

TYPES OF
ANSWER

begin small.

III 16

know

III 17

when you water it.

III 16

fall on a tree.

III 16

small one.

III 16

sow the seed and give it water.

I A 1

know.

III 17

know.

III 17

from a small plant.

I A 3

small, small.

III 16

you water the seed.

I A 1

III 16

III 17

up.

III 16

seed.

I A 1

know.

III 17

know.

III 17

know.

III 17

fall on a seed, it begin to grow.

I A 1

begin when the roots come out.

III 16

know.

III 17

know.

III 17

know how to say it.

III 17

know.

III 17

from a seed.

III 17

sow a seed.

I A 1

small & it come from seed.

I A 1

from a seed.

I A 1

begin from the seed.

I A 1

begin from seed.

I A 1

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	18	13	Ewe	Anumle	Male	Anumle Coast	My heart is
2	"	12	Fanti	Akropong	Female	"	I do not
3	"	13	Ga	Accra	Male	"	It works &
4	"	12	"	"	"	"	It beats. It
5	"	10	Twi	Koforidua	"	"	Blood.
6	"	12½	Ga	Teshi	Female	"	It makes
7	"	13	"	Anumle	"	"	It helps
8	"	12½	"	Accra	"	"	My heart
9	"	13	Ewe	Keta	"	"	It makes
10	"	15	Ga	Accra	"	"	It is good for
11	"	13	"	"	"	"	My heart
12	"	12	Ewe	Keta	"	"	It give me
13	"	13	Ga	Achimota	"	"	My heart
14	"	12	"	Accra	"	"	She makes
15	"	15	Ewe	Ada	"	"	It gives me
16	"	11	"	Lome	"	"	It is hitting
17	"	12	Ga	X'borg	"	"	It hits.
18	"	14	"	"	Male	"	It makes
19	"	11	"	Accra	"	"	My heart
20	"	10	"	Oko	"	"	My heart
21	"	11	"	X'borg	"	"	It make
22	"	11	"	Accra	"	"	My heart
23	"	12	"	"	"	"	It give me
24	"	12	"	"	"	"	It makes me
25	"	16	Ewe Fanti	Keta	"	R.C.M Adabraka	It is for pumping
26	"	14	Fanti	C. coast	"	Afr. Coll. Accra	It works. What work
27	"	16	"	"	"	Boys Boys Cape Coast	It use to
28	"	15	Ga	Accra	"	X'borg Presby	It push blood.
29	"	14	"	"	"	Enbal Labadi	It shakes.
30	"	14	"	"	"	Osu Presbyt	It give me

RENS' RESPONSES

TYPES OF ANSWER

pumping station for blood.

I A I

know.

III 176

divides blood to all parts.

I A I

makes your blood run.

I A I

I A I

makes me not to die.

III 16

me to work.

III 16

give me air.

III 16

me glad or vece.

III 16

me. Why is it good? It make glad.

III 16

make me glad.

III 16

power.

III 16

make me to live.

III 16

~~more~~ me well.

III 16

power

III 16

Why does it hit. (No answer)

III 16

III 16

me glad.

III 16

make me do everything

III 16

works for me.

III 16

me.

III 16

works for me & give me blood.

I A I

air.

III 16

live.

III 16

blood to make the body nice.

I A I

does it do? It supply the blood.

I A I

pump blood to my skin.

I A I

I A I

III 16

blood.

I A I

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	1	13	Ewe	Anumale	Male	Anumale	Got 1 cannot say.
2	"	12	Fanti	Akropong	Female	"	Like this. (Subject
3	"	13	Ga	Accra	Male	"	You will do like
4	"	12	"	"	"	"	Because the
5	"	10	Twi	Koforidua	"	"	Because my
6	"	12½	Ga	Teshu	Female	"	The flesh, the
7	"	13	"	Anumale	"	"	I do not know.
8	"	12½	"	Accra	"	"	I move it up
9	"	13	Ewe	Keta	"	"	Like your calling
10	"	15	Ga	Accra	"	"	I do not know.
11	"	13	"	"	"	"	Something make
12	"	12	Ewe	Keta	"	"	I make it.
13	"	13	Ga	Achimota	"	"	Like a etc
14	"	12	"	Accra	"	"	It moves very
15	"	15	Ewe	Ada	"	"	It move back
16	"	11	"	Lome	"	"	I do not know.
17	"	12	Ga	X'borg	"	"	Up and down.
18	"	14	"	"	Male	"	Up and down.
19	"	11	"	Accra	"	"	It go up
20	"	10	"	Okw	"	"	My power
21	"	11	"	X'borg	"	"	Like a worm.
22	"	11	"	Accra	"	"	The power
23	"	12	"	"	"	"	The bone
24	"	12	"	"	"	"	The bone
							My power move
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	Because of
26	"	14	Fanti	C. Coast	"	Afr. Coll. Accra	The skeleton
27	"	16	Ga	"	"	Govt. Boys Cape Coast	Vains or rope
28	"	15	Ga	Accra	"	X'borg Presby	The rope in
29	"	14	"	"	"	Enobal Labadi	The blood.
30	"	14	"	"	"	Osu. Presbyt	The nerves.

FORM ONE RENS' RESPONSES

129

TYPE OF
ANSWER

The string	III 17 & III 16
moved finger up and down.) I make it	Trickery & I B 7
this when you want it move. Subject moved finger	Trickery
rope band the bone.	III 15
body move it.	I B 7
veins and the bones.	I A 2
	III 17
and down. My hand.	I B 7
some one. The bone.	Trickery & I A 2
	III 17
it. My hand	III 16
	I B 7
snake	III 16
quickly. The rope inside and joints	I A 2
and for front.	III 16
	III 17
I make it.	I B 7 & III 16
Me	III 16 & I B 7
and down. My power.	III 16 & I B 7
move it.	
I make it.	I A 5 & I B 7
in me.	I B 7
and the veins	I A 2
rope and my power.	I A 2
it.	I B 7
the veins.	I A 2
and the veins.	I A 2
in the skin.	I A 2
my skin.	I A 2
	III 16
	III 16

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	Sex	SCHOOL	
1	2	13	Ewe	Anumale	Male	Anumale Coast	The blood.
2	"	12	Fanti	Akropong	Female	"	The light.
3	"	13	Ga	Accra	Male	"	The blood.
4	"	12	"	"	"	"	The light.
5	"	10	Twi	Koforidua	"	"	The light.
6	"	12 $\frac{1}{2}$	Ga	Teshi	Female	"	The light.
7	"	13	"	Anumale	"	"	The light.
8	"	12 $\frac{1}{2}$	"	Accra	"	"	The blood.
9	"	13	Ewe	Keta	"	"	The blood.
10	"	15	Ga	Accra	"	"	The light.
11	"	13	"	"	"	"	The light.
12	"	15	Ewe	Keta	"	"	The light.
13	"	13	Ga	Achimota	"	"	The light.
14	"	12	"	Accra	"	"	The light.
15	"	15	Ewe	Ada	"	"	The light.
16	"	11	"	Lome	"	"	The light
17	"	12	Ga	X'borg	"	"	Light
18	"	14	"	"	male	"	Light
19	"	11	"	Accra	"	"	Blood
20	"	10	"	Oko	"	"	Light.
21	"	11	"	X'borg	"	"	Blood
22	"	11	"	Accra	"	"	Blood.
23	"	12	"	"	"	"	By in my
24	"	12	"	"	"	"	The blood
25	"	16	Ewe	Keta	"	R.M. Adabraka	Blood
26	"	14	Fanti	C. Coast	"	Afr. Coll. Accra	Blood
27	"	16	"	"	"	Govt. Boys C. Coast	Blood
28	"	15	Ga	Accra	"	X'borg Presbyt	The blood
29	"	14	"	"	"	Enobal Labadi	Blood
30	"	14	"	"	"	Osu Presbyt.	The electric

FORM ONE

RENS' RESPONSES

130

TYPE OF
ANSWER

I A I

III 15

I A I

III 15

III 15

III 15

III 15

I A I

I A I

III 15

III 15

III 15

III 15

III 15

III 15

III 15

III 15

III 15

I A I

III 15

I A I

I A I

I A I

I A I

I A I

I A I

I A I

I A I

I A I

III A 15

hand.

make it

light

PART II

MIDDLE

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	3	13	Ewe	Anumale	Male	Anumale Govt	The stick
2	"	12	Fanti	Akropong	Female	"	Water will
3	"	13	Ga	Accra	Male	"	It will
4	"	12	"	"	"	"	It will fall
5	"	10	Twi	Koforidua	"	"	The water
6	"	12½	Ga	Teshi	Female	"	It will
7	"	13	"	Anumale	"	"	It will come
8	"	12½	"	Accra	"	"	It will be
9	"	13	Ewe	Keta	"	"	The water
10	"	15	Ga	Accra	"	"	It will fall.
11	"	12	"	"	"	"	The water
12	"	15	Ewe	Keta	"	"	I don't know.
13	"	13	Ga	Achimota	"	"	The water
14	"	12	"	Anumale	"	"	The water
15	"	15	Ewe	Keta	"	"	The water
16	"	11	"	Lome	"	"	The water
17	"	12	Ga	X'borg	"	"	It will fall.
18	"	14	"	"	Male	"	It will fall.
19	"	11	"	Accra	"	"	The water
20	"	10	"	Oko	"	"	It will
21	"	11	"	X'borg	"	"	The water
22	"	11	"	Accra	"	"	The water
23	"	12	"	"	"	"	It will
24	"	12	"	"	"	"	It will fall.
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	It flows up.
26	"	14	Fanti	C. Coast	"	Afr. Coll. Accra	It will flow
27	"	16	"	"	"	Govt. Boys C. Coast	It will fall
28	"	15	Ga	Accra	"	X'borg Presby	The water
29	"	14	"	"	"	Enebal Labadi	Water will
30	"	14	"	"	"	Osu Presbyl.	It will flow.

FORM ONE RENS' RESPONSES

131

TYPE OF
ANSWER

will come up in the water.

III 16

come up.

I A I

fall.

I A I

down.

I A I

will fall.

I A I

fall.

I A I

up.

I A I

short.

I A I

will fall on the ground.

I A I

will fall down.

I A I

I A I

will fall down.

III 17

I A I

will fall.

I A I

fall.

I A I

will drop.

I A I

I A I

I A I

will fall.

I A I

come down.

I A I

will fall

I A I

will fall

I A I

fall down.

I A I

et

I A I

I A I

down.

I A I

down.

I A I

will fall down.

I A I

fall.

I A I

I A I

PART II

MIDDLE

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	4	13	Ewe	Anumale	Male	Anumale Coast	Because
2	"	12	Fanti	Akropong	Female	"	The thing
3	"	13	Ga	Accra	Male	"	Because of
4	"	12	"	"	"	"	The thing
5	"	10	Twɔ	Koforidua	"	"	It heavy
6	"	12½	Ga	Teshi	Female	"	Because
7	"	13	"	Anumale	"	"	The thing
8	"	12½	"	Accra	"	"	The thing
9	"	13	Ewe	Xiborg Keta	"	"	It is heavy.
10	"	15	Ga	Accra	"	"	Because
11	"	12	"	"	"	"	Because
12	"	15	Ewe	Keta	"	"	The water
13	"	13	Ga	Achimota	"	"	The stick
14	"	12	"	Accra	"	"	It is heavy
15	"	15	Ewe	Keta	"	"	The water
16	"	11	"	Lome	"	"	The thing
17	"	12	Ga	Xiborg	"	"	Because
18	"	14	"	"	Male	"	The water
19	"	11	"	Accra	"	"	It is
20	"	10	"	Oko	"	"	I don't
21	"	11	"	Xiborg	"	"	It is
22	"	11	"	Accra	"	"	The thing
23	"	12	"	"	"	"	The stick
24	"	12	"	"	"	"	It is
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	It will
26	"	14	Fanti	C. Coast	"	Afric. Coll. Ac.	The stick
27	"	16	"	"	"	Govt Boys' C. Coast	The water
						Xiborg	so make
28	"	15	Ga	Accra	"	Xiborg Presby	The thing
29	"	14	"	"	"	Enobal Labadi	Because
30	"	14	"	"	"	Osu Presbyt.	Because

PUPILS' RESPONSES

TYPE OF ANSWER

this thing is heavy.

1A2

move the water up.

1A1

the stick in it.

III 15

you put in.

1A4

than water.

1A1

you put this thing in.

1A4

you put in is heavy.

1A4

make the water up and fall.

1A1

1A2

it is heavy.

1A2

you put the thing in the water.

1A4

fall because thing is heavy.

1A1

is big.

III 16

and push the water up.

1A1

is very full.

III 16

is big.

III 16

the water is full.

III 15

is full.

III 16

heavy.

1A2

know.

III 17

heavy.

1A2

is heavy.

1A2

is heavy and push the water down.

1A1

heavy

1A2

press it up.

1A1

is too heavy.

1A2

is full and the thing too is heavy

the water to fall.

1A1

is heavy.

1A2

it heavy.

1A2

this thing have weight.

1A2

PART II

MIDDLE

PUPILS NO.	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD
1	5	13	Ewe	Anumale	Male	Anumale Govt	It will
2	"	12	Fanti		Female	"	It will come
3	"	13	Ga	Accra	Male	"	It come to
4	"	12	"	"	"	"	It will come
5	"	10	Twi	Koforidua	"	"	It will full
6	"	12½	Ga	Teshi	Female	"	It will come
7	"	13	"	Anumale	"	"	It will come
8	"	12½	"	Accra	"	"	It will come
9	"	13	Ewe	Keta	"	"	It will come
10	"	15	Ga	Accra	"	"	It will come
11	"	12	"	"	"	"	It will come
12	"	15	Ewe	Keta	"	"	I do not
13	"	13	Ga	Achimota	"	"	It will come
14	"	12		Accra	"	"	It will come
15	"	15	Ewe	Ada	"	"	It will be
16	"	11	"	Lome	"	"	It will full.
17	"	12	Ga	X'borg	"	"	It will come
18	"	14	"	"	Male	"	It will come
19	"	11	"	Accra	"	"	It will come
20	"	10	"	Oko	"	"	It will come
21	"	11	"	X'borg	"	"	It will come
22	"	11	"	Accra	"	"	It will come
23	"	12	"	"	"	"	It will come
24	"	12	"	"	"	"	It will come

RENS' RESPONSES

TYPE OF
ANSWER

come here. Because it has one hole.

| A |

up. It has one hole.

| A |

this side. It get one hole.

| A |

here. It has one hole.

| A |

too. The water go round.

| A |

here too. I donot know.

| A Z & III |

here. Water go to all place.

| A |

to this side. It has one hole.

| A |

here. Only one hole.

| A |

up. It is round.

| A |

up. It has the same hole.
know.

| A |

III 17

here. The hole is round.

| A |

to this side. It has the same hole.

| A |

full. All the same hole.

| A |

The hole are one.

| A |

up. It is like U.

| A |

up. It is one hole.

| A |

up. It has the same hole.

| A |

up. I don't know.

| A |

up. It is one hole.

| A |

up. It is round.

| A |

up. It has the same hole.

| A |

to this side. It is the same hole

| A |

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	6	13	Ewe	Anumale	Male	Anumale Govt.	Because
2	"	12	Fanti	Akeropeng	Female	"	You lock
3	"	13	Ga	Accra	Male	"	You lock
4	"	12	"	"	"	"	You cook
5	"	10	Twi	Koforidua	"	"	You lock
6	"	12½	Ga	Teshi	Female	"	You lock
7	"	13	"	Anumale	"	"	I do not
8	"	12½	"	Accra	"	"	You lock
9	"	13	Ewe	Keta	"	"	You cook
10	"	15	Ga	Accra	"	"	You lock
11	"	12	"	"	"	"	You lock
12	"	15	Ewe	Keta	"	"	I do not
13	"	13	Ga	Achimota	"	"	I don't
14	"	12	"	Accra	"	"	I don't
15	"	15	Ewe	Ada	"	"	You cook
16	"	14	"	Lome	"	"	You lock
17	"	12	Ga	X'borg	"	"	Because
18	"	14	"	"	Male	"	You lock
19	"	11	"	Accra	"	"	Air in it
20	"	10	"	Oko	"	"	You cook
21	"	11	"	X'borg	"	"	It is locked
22	"	11	"	Accra	"	"	You cook
23	"	12	"	"	"	"	The air is
24	"	12	"	"	"	"	You cook

FORM ONE RENS' RESPONSES

134

TYPE OF
ANSWER

it cannot climb.

1 B 6

this side.

1 A 4

it.

1 A 4

it.

1 A 4

its.

1 A 4

it.

1 A 4

know.

III 17

it.

1 A 4

it

1 A 4

it

1 A 4

it.

1 A 4

know.

III 17

know.

III 17

know.

III 17

it.

1 A 4

it.

1 A 4

you look here.

~~1 A 1~~ & 1 A 4

it.

1 A 4

and you look it.

1 A 1 & 1 A 4

it.

1 A 4

and air is in it.

1 A 4 & 1 A 1

it.

1 A 4

in it because you look it

1 A 4 & 1 A 1

it

1 A 4

PART II

MIDDLE

PUPILS NO	GUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD S
1	7	13	Ewe	Anumale	Male	Anumale Coast	Air
2	"	12	Fanti	Abarpong	Female	"	The air.
3	"	13	Ga	Accra	Male	"	Air.
4	"	12	"	"	"	"	Air.
5	"	10	Twi	Koforidua	"	"	Air.
6	"	12½	Ga	Teshi	Female	"	Air From
7	"	13	"	Anumale	"	"	I do not
8	"	12½	"	Accra	"	"	Air.
9	"	13	Ewe	Keta	"	"	Air.
10	"	15	Ga	Accra	"	"	I do not
11	"	12	"	"	"	"	Air.
12	"	15	Ewe	Keta	"	"	Air.
13	"	13	Ga	Achimota	"	"	I do not
14	"	12	"	Adara	"	"	Air.
15	"	15	Ewe	Ada	"	"	Air.
16	"	14	"	Lome	"	"	Air.
17	"	12	Ga	X'borg	"	"	Air.
18	"	14	"	"	Male	"	Air.
19	"	11	"	Accra	"	"	Air.
20	"	10	"	Oko	"	"	Air.
21	"	11	"	X'borg	"	"	Air.
22	"	11	"	Accra	"	"	Air
23	"	12	"	"	"	"	Air
24	"	12	"	"	"	"	Air
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	Air
26	"	14	Fanti	C. Coast	"	Coast Boys C. Coast	Air
27	"	16	"	"	"	Afr. Coll. Accra	Th The
28	"	15	Ga	Accra	"	X'borg Presby	Air.
29	"	14	"	"	"	Enobal Labadi	Air.
30	"	14	"	"	"	Osu Presbyt.	Air.

FORM ONE REN'S' RESPONSES

135

	TYPE OF ANSWER
Nothing.	1 A 2
Water.	1 A 2
Air comes in	1 A 1
Nothing.	1 A 2
Water.	1 A 2
your mouth. Water.	1 A 2
know.	III 17
Water	1 A 2
Air	1 A 1
know how to say it	III 17
Nothing	1 A 2
I don't know.	1 A 2 & III 17
know. Water.	III 17
Water.	1 A 2
Nothing.	1 A 2
Water.	1 A 2
Air.	1 A 1
Air.	1 A 1
Nothing.	1 A 2
Air.	1 A 1
Air.	1 A 1
Air.	1 A 1
Air.	1 A 1
Air.	1 A 1
Air.	1 A 1
Air.	1 A 1
breeze. Air.	1 A 1
Air.	1 A 1
Air.	1 A 1
Air.	1 A 1

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	9	13	Ewe	Anumle	Male	Anumle Coast	Because it
2	"	12	Fanti	Akropong	Female	"	The air
3	"	13	Ga	Accra	Male	"	The air
4	"	12	"	"	"	"	The wind
5	"	10	Twi	Koforidua	"	"	The air
6	"	12½	Ga	Teshi	Female	"	It is
7	"	13	"	Anumle	"	"	I do not
8	"	12½	"	Accra	"	"	The air
9	"	13	Ewe	Keta	"	"	The air
10	"	15	Ga	Accra	"	"	Because
11	"	12	"	"	"	"	Air.
12	"	15	Ewe	Keta	"	"	I do not
13	"	13	Ga	Achimota	"	"	The air
14	"	12	"	Accra	"	"	It is
15	"	15	Ewe	Ada	"	"	Air push
16	"	11	"	Lome	"	"	Air make
17	"	12	Ga	X'borg	"	"	Some air
18	"	14	"	"	Male	"	The air
19	"	11	"	Accra	"	"	Air will
20	"	10	"	Oko	"	"	Air make
21	"	11	"	X'borg	"	"	The air
22	"	11	"	Accra	"	"	The air
23	"	12	"	"	"	"	The power
24	"	12	"	"	"	"	The air
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	It comes
26	"	14	Fanti	C. Coast	"	Afr. Coll. Accra	There is
27	"	16	"	"	"	Govt Boys C. Coast	Because
28	"	15	Ga	Accra	"	X'borg Presbyt	The ball
29	"	14	"	"	"	Enbal Labadi	The ball
30	"	14	"	"	"	Osu Presbyt.	It has

FORM ONE RENS' RESPONSES

136

	TYPE OF ANSWER
is heavy.	III 15
push it down.	III 16
press it.	III 16
blow it.	III 16
press it down.	III 16
heavy.	IA 2
know.	III 17
which is up make it fall.	III 16
make it fall.	III 16
the ball is heavy.	III 15
	III 16
know.	III 17
blow it down.	III 16
round.	III 16
it down.	III 16
it fall.	III 16
in the sky push it down.	III 16
in the sky and up push it down.	III 16
make it fall.	III 16
it fall.	III 16
put it in the ground.	III 16
push it down.	III 16
in the grown draw it	IA 1
push it down.	III 16
down because of the air	III 16
no electric in the ball.	III 16
is heavy.	III 15
heavy than air. that is why it fall	IA 1
is heavy	IA 2
weight	IA 2

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	10	13	Ewe	Anumale	Male	Anumale Coast.	The air
2	"	12	Fanti	Akropong	Female	"	I don't
3	"	13	Ga	Accra	Male	"	The air
4	"	12	"	"	"	"	The wind
5	"	10	Twi	Koforidua	"	"	It can't
6	"	12½	Ga	Teghi Accra	Female	"	I do not
7	"	13	"	Anumale	"	"	Because it
8	"	12½	"	Accra	"	"	The air
9	"	13	Ewe	Keta	"	"	It is
10	"	15	Ga	Accra	"	"	I don't
11	"	12	"	"	"	"	It is
12	"	15	Ewe	Keta	"	"	The air
13	"	13	Ga	Achimota	"	"	The breeze
14	"	12	"	Accra	"	"	The air
15	"	15	Ewe	Ada	"	"	The air
16	"	11	"	Lome	"	"	The air
17	"	12	Ga	X'borg	"	"	Air push
18	"	14	"	"	Male	"	Air blow
19	"	11	"	Accra	"	"	Air blows
20	"	10	"	Oko	"	"	Air is
21	"	11	"	X'borg	"	"	The air
22	"	11	"	Accra	"	"	The air
23	"	12	"	"	"	"	The air
24	"	12	"	"	"	"	The air
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	Because
26	"	14	Fanti	C. coast	"	Afr. Coll. Accra	The air
27	"	16	"	"	"	Coast. Boys' C. Coast	The air.
28	"	15	Ga	Accra	"	X'borg Presbyt	The ball
29	"	14	"	"	"	Enabul Labadi	Air move
30	"	14	"	"	"	Osu Presbyt.	The air

FORM ONE 137

RENS' RESPONSES

TYPE OF
ANSWER.

push him.	I A I
know	III 17
kick him.	I A I
push him ^{it} there	I A I
stay in one place.	III 16
know.	III 17
come up and down and up.	I B B
blow it.	I A I
jumping.	I B B
know.	III 17
jumping.	I B B
blow it.	I A I
blow it.	I A I
is blowing it.	I A I
blow it.	I A I
let it go to that side.	I A I
it.	I A I
it.	I A I
it.	I A I
blowing it.	I A I
is blowing it.	I A I
blow it.	I A I
blow it.	I A I
push it to that side.	I A I
of air.	I A I
makes the ball move.	I A I
	I A I
is jumping all the time.	I B B
it.	I A I
push it away.	I A I

PART II

MIDDLE

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD —
1	11	13	Ewe	Anumale	Male	Anumale Coast	Because
2	"	12	Fanti	Akropong	Female	"	It is heavy.
3	"	13	Ga	Accra	Male	"	The air
4	"	12	"	"	"	"	It is heavy
5	"	10	Twi	Koforidua	"	"	It is heavy.
6	"	12½	Ga	Teshi	Female	"	Because
7	"	13	"	Anumale	"	"	Because
8	"	12½	"	Accra	"	"	Because
9	"	13	Ewe	Keta	"	"	It is strong
10	"	15	Ga	Accra	"	"	Because
11	"	12	"	"	"	"	It is heavy.
12	"	15	Ewe	Keta	"	"	You fold it.
13	"	13	Ga	Achumota	"	"	It is more
14	"	12	"	Accra	"	"	It is more
15	"	15	Ewe	Ada	"	"	It is very
16	"	14	"	Lome	"	"	Because
17	"	12	Ga	X'borg	"	"	It has
18	"	14	"	"	Male	"	It has a
19	"	11	"	Accra	"	"	Because no
20	"	10	"	Oko	"	"	Air push
21	"	11	"	X'borg	"	"	The air
22	"	11	"	Accra	"	"	It has
23	"	12	"	"	"	"	The air
24	"	12	"	"	"	"	The paper
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	Because
26	"	14	Fanti	C. Coast	"	Africa Coll. Accra	Because air
27	"	16	"	"	"	Govt Boys C. Coast	The air
28	"	15	Ga	Accra	"	X'borg Presbyt	It cannot
29	"	14	"	"	"	Enobal Labadi	The crumpled
30	"	14	"	"	"	Osu Presbyt.	It is heavy

RENS' RESPONSES.

it is heavy

TYPE OF
ANSWER

III 15

III 16

press it

III 16

because you fold it.

III 16 & 14

III 16

you make it small.

I A 4

you fold it.

I A 4

the other one is heavy.

III 15

and heavy.

III 16

it is heavy.

III 15

III 16

I A 4

heavy.

III 16

heavy.

III 16

heavy.

III 16

you fold it.

I A 4

weight.

III 16

weight.

III 16

air can hold it & it is not flat

I A 1

it down

III 16

is not blow it because it is small

I A 2

no place for air to blow.

I A 1

cannot hold him up because he not flat

I A 1

is heavy

III 16

the air cannot hold it.

I A 1

cannot hold the twisted one up.

I A 1

can only move the flat one

I A 1

be hold_{too} by air

I A 1

one is_n heavy.

III 16

III 16

PART II

MIDDLE

PUPILS PU NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	12	13	Ewe	Anumale	Male	Anumale Coast	Lead. It is
2	"	12	Fanti	Akropong	Female	"	Lead. It is
3	"	13	Ga	Accra	Male	"	Lead. It is iron.
4	"	12	"	"	"	"	Lead. It is heavy.
5	"	10	Twi	Koforidua	"	"	Lead. It is heavy.
6	"	12½	Ga	Teshi	Female	"	All the two.
7	"	13	"	Anumale	"	"	Both. All is
8	"	12½	"	Accra	"	"	All. They get
9	"	13	Ewe	Keta	"	"	They are
10	"	15	Ga	Accra	"	"	All. Because
11	"	12	"	"	"	"	Lead - Wood -
12	"	15	Ewe	Keta	"	"	All. Because
13	"	13	Ga	Achumota	"	"	All. They are
14	"	12	"	Accra	"	"	Lead. Because
15	"	15	Ewe	Ada	"	"	All. All is
16	"	14	"	Lome	"	"	All All is the
17	"	12	Ga	X'borg	"	"	All together. 1
18	"	14	"	"	Male	"	All one time.
19	"	11	"	Accra	"	"	All will draw.
20	"	10	"	Oko	"	"	Lead. It is
21	"	11	"	X'borg	"	"	All. It is the
22	"	11	"	Accra	"	"	Lead. It is
23	"	12	"	"	"	"	Lead. It is
24	"	12	"	"	"	"	Lead. Because
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	Lead. It is
26	"	14	Fanti	C. Coast	"	Afr. Coll. Accra	All. at one.
27	"	16	"	"	"	Coast Boys C. Coast	Lead. Because
28	"	15	Ga	Accra	"	X'borg Presby.	All will fall
29	"	14	"	"	"	Enspal Libadi	Lead. Lead
30	"	14	"	"	"	Osu Presby	Lead. It has

RENS' RESPONSES

TYPE OF
ANSWER

heavy. Lead make a heavy noise & wood a small one.	III 16
heavy. It makes heavy and wood small.	III 16
Lead is big noise & wood a small noise.	III 16
Lead fall heavy.	III 16
The stone make big noise.	III 16
They make noise when they fall.	III 16
the same. They make kung.	I A I
the same size. All make big noise.	I A I
the same. They fall together.	I A I
they are the same. Big sound.	I A I
Lead. (Nothing said again)	III 16
all the same. Big noise kung	I A I
equal. I don't know.	I A 2 & III 17
it is heavy. They make a hard sound.	III A 16
heavy. They make a hard sound.	I A I
same. They all ^{hit} beat and make a sound.	I A I
don't know. They fall together.	I A I & III 17
They are equal. They make big sound.	I A I
All draw. They heart together.	I A I
heavy. They talk loud.	III 16
same. They make a big noise.	I A I
heavy. Big noise.	III 16
heavy they make a big noise.	III 16
it is heavy. They fall & make a noise.	III 16
heavy. Lead make a loud sound	III 16
They are equal. They fall one time.	I A I
is heavy. Lead makes most sound.	II 16
at the same time They are the same. Together.	I A I
is heavy. Lead falls down heavy.	III 16
weight. Lead makes a most sound	III 16

PART II

MIDDLE

PUPILS NO.	QUEST.	AGE	TRIBE	TOWN	SEX	SCHOOL	CHILD -
1	13	13	Ewe	Anumale	Male	Anumale Coast	The string
2	"	12	Fanti	Akropong	Female	"	The rope
3	"	13	Ga	Accra	Male	"	The lid
4	"	12	"	"	"	"	The string
5	"	10	Twi	Koforidua	"	"	The rope.
6	"	12½	Ga	Teshi	Female	"	The air
7	"	13	"	Anumale	"	"	It is in the
8	"	12½	"	Accra	"	"	The corners
9	"	13	Ewe	Keta	"	"	It is in the
10	"	15	Ga	Accra	"	"	The cigarette
11	"	12	"	"	"	"	Because
12	"	15	Ewe	Keta	"	"	Because of
13	"	13	Ga	Achimota	"	"	The corner
14	"	12	"	Accra	"	"	Because by
15	"	15	Ewe	Ada	"	"	Air put it
16	"	14	"	Lome	"	"	The lid
17	"	12	Ga	Kiborg	"	"	The string
18	"	14	"	"	Male	"	Because the
19	"	11	"	Accra	"	"	Because it
20	"	10	"	Oko	"	"	The lid.
21	"	11	"	Kiborg	"	"	Because
22	"	11	"	Accra	"	"	The air
23	"	12	"	"	"	"	The air
24	"	12	"	"	"	"	The air
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	Because of
26	"	14	Fanti	C. Coast	"	Africa Coll. Accr.	Because of
27	"	16	"	"	"	Coast Boys C. Coast	The reason why the
28	"	15	Ga	Accra	"	Kiborg Presby.	The lid
29	"	14	"	"	"	Enoch Lakadi	Lid hold
30	"	14	"	"	"	Osu Presbyt.	The lid

RENS' RESPONSES

TYPE OF
ANSWER

hold it.

I B 6

hold it.

I B 6

hold it

I B 6

hold it

I B 6

I B 6

presses it.

III 16

lid.

I B 6

of the lid & the air.

I B 6

middle:

I B 6

tin hold it.

I B 6

you hold the rope.

I A 4

the corners of the lid.

I B 6

hold it.

I B 6

the air.

I B 6

there. strong.

III 16

hold it.

I B 6

is holding it.

I B 6

penny has a weight & the rope

III 15 & 18

go. up & down.

III 15

I B 6

you move it.

I A 4

push it on the lid.

II 16

push it to the lid.

III 16

make it stay there

III 16

the lid.

I B 6

the tin

I B 6

money no fall because it is on the lid

I B 6

hold it.

I B 6

it.

I B 6

hold it

I B 6

PART II

PUPILS NO	QUEST	AGE	TRIBE	TOWN	SEX	SCHOOL	MIDDLE CHILD -
1	14	13	Ewe	Anumle	Male	Anumle Coast	The air
2	"	12	Fanti	Akropong	Female	"	The air push
3	"	13	Ga	Accra	Male	"	You throw it
4	"	12	"	"	"	"	The hand
5	"	10	Twi	Koforidua	"	"	You roll it.
6	"	12½	Ga	Teshi	Female	"	You move it.
7	"	13	"	Anumle	"	"	I do not
8	"	12½	"	Accra	"	"	The air
9	"	13	Ewe	Keta	"	"	The air
10	"	15	Ga	Accra	"	"	The rope.
11	"	12	"	"	"	"	You are
12	"	15	Ewe	Keta	"	"	I do not
13	"	13	Ga	Achumota	"	"	Air round
14	"	12	"	Accra	"	"	Because you move
15	"	15	Ewe	Ada	"	"	You turn it.
16	"	11	"	Lome	"	"	The string
17	"	12	Ga	X'borg	"	"	You turn it.
18	"	14	"	"	Male	"	The rope.
19	"	11	"	Accra	"	"	The air
20	"	10	"	Oko	"	"	You throw
21	"	11	"	X'borg	"	"	The rope
22	"	11	"	Accra	"	"	The air and
23	"	12	"	"	"	"	The air and
24	"	12	"	"	"	"	You swing
25	"	16	Ewe	Keta	"	R.C.M. Adabraka	Because you
26	"	14	Fanti	C. Coast	"	Africa Coll. Accra	Because of
27	"	16	"	"	"	Govt. Boys C. Coast	The rope.
28	"	15	Ga	Accra	"	X'borg Presbyt	The hand
29	"	14	"	"	"	Enobal Labadi	Because your
30	"	14	"	"	"	Osu Presby	The rope and

FORM ONE

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REN'S' RESPONSES

TYPE OF ANSWER

and you move it.
it.

III 16 & I A 4

III 16

move it

I A 4

I A 4

I A 4

round.

I A 4

know.

III 17

and yourself too move it.

III 16 & I A 4

make it go up.

III 16

III 16

swinging it.

I A 4

know.

III 17

it up.

III 16

your hand & air turn it.

I A 4 & III 16

I A 4

turn it.

III 16

I A 4

III 16

and string.

III 16

it round.

I A 4

make it up and down.

III 16

the rope make it.

III 16

the string make it.

III 16

the rope.

I A 4

are throwing it in the air.

I A 4

the penny.

III 15

III 16

move the lid.

III 16

finger moves the lid.

III 15

your hand

III 16

TABULATED RESPONSES

QUESTIONS	1A1	1A2	1A3	1A4	1A5	1B6	1B7	1B8
1						4		
2		5						1
3	2							
4	8					2		
5	4	1				1		
6	5				4			4
7		3						19
8	8							
9	1	4						
10	24	2						
11		14						
12	11	6		1				
13			1					
14	27							
15	8	11						
16	5							
17	9		1					
18	10							

PART II

1		9			1		10	
2	14							
3	28							
4	8	11		4				
5	22	1						
6	3			19		1		
7	15	12						
8								
9	2	3						
10	22							4
11	7	1		5				
12	13	1						
13				2		22		
14				13				

FOR MIDDLE FORM ONE

Middle Form One
Environment

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The majority of the pupils are from Anumle Govt. school, so that the same description for middle form four holds good here also.

The pupils come from Ga, Fanti, Ewe tribes and one from the Twi tribe. Some of their parents work in the University college and the others are in the Achimota school.

The fathers of the children are literate while their mothers are not. A few of the fathers work in their farms. Their mothers are either farmers or traders.

Number The father of number 26 is an accountant at Accra and number 27's father is a Police Commissioner in the same town.

The parents of number 25 are illiterates. The father weaves cloth and the mother cultivates yams and maize. They live in their home at Keta.

Number 29's father is a Commissioner of oaths and the father of number thirty is a draughtsman under the public works department. Both these fathers are at Accra.

CONCLUSION

The investigator interviewed 112 children of whom 59 are girls. The investigation took place in the classrooms which were not in use at the time.

It must have been noted by the reader that question 8 of part two has been left out. This is because the investigator had no glass-beaker to perform the experiment. Questions five and six too were not done by some children, because there was no 'U' tube available then, these children having been interviewed during the holidays when the investigator had no 'U' tube. It ~~was~~ has not been possible to interview these children again because many of them do not attend school at Accra, and even those in the Municipality are difficult to trace out.

The pupils answered questions about the experiment quicker and with greater certainty than the others. The reason for this is that because the experiments were concrete things which the pupils saw.

Many of the pupils know more about other countries than theirs. Some of them did not know ~~where~~ the Densu ^{river} and Lake Bosumtwi ~~and~~.

but they knew Lake Victoria and the Nile, Congo and the Niger rivers.

Most of the pupils' responses are alike and very many answers occur several times in some classes. At Anumle Govt. School some of the ~~child~~ children were found performing some of the experiments on the day that I finished the ~~experimex~~ investigation. This makes me think that some of the pupils must have discussed some of the questions with their friends:

Many girls who live in Accra were unable to say what a flower is for. Their friends in Anumle Govt. school who live in the Achimota Secondary school and the University premises could not explain also but they said that flowers were to beautify houses, a thing which they do in their houses or see where they live.

It might ~~be~~ have been noticed by the reader in the ~~paper~~ paper of children's responses that many children from the Ewe tribe have Anumle or Achimota as their home town. The reason for this is that most of the ^{Ewe} children were born in the above mentioned places. The long stay of the parents of these children in Anumle or Achimota without visiting their relatives home, gives me an idea that these men would not return to their tribes, and some of them have

-established good buildings here which
they cannot leave.