



THE KENYA NATIONAL EXAMINATIONS COUNCIL

ENVIRONMENTAL ACTIVITIES, SCIENCE
AND TECHNOLOGY

Monitoring Learner Achievement at Primary School Level in Kenya

Grade 4



GLOBAL
PARTNERSHIP
for EDUCATION



REPUBLIC OF KENYA
MINISTRY OF EDUCATION



THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP

LEARNER'S NAME: _____

LEARNER'S ADMISSION NO. _____

INSTRUCTIONS TO LEARNERS

1. This paper consists of **30** questions.
2. Answer **all** the questions in the spaces provided.

Time: 1 Hour 20 Minutes

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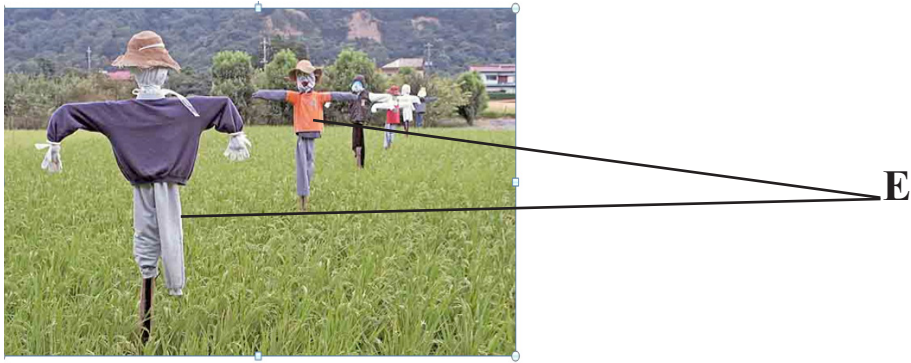
SCORING GRID (30 marks)

Question	1	2	3	4	5	6	7	8	9	10
Mark (s)	1	1	1	1	1	1	1	1	1	1
Score										

Question	11	12	13	14	15	16	17	18	19	20
Mark (s)	1	1	1	1	1	1	1	1	1	1
Score										

Question	21	22	23	24	25	26	27	28	29	30	TOTAL SCORE
Mark (s)	1	1	1	1	1	1	1	1	1	1	30
Score											

1. The picture below shows a millet farm with structures labelled **E**.



Give the importance of the structures labelled **E**.

.....

2. The following are items found in a certain home.



The common way of caring for the three items immediately after use is

.....

3. The following are groups of clothes labelled **F**, **G** and **H** that are worn in different weather conditions.

Group F
Cap
Vest
Sweater

Group G
Jacket
Sweater
Socks

Group H
Sweater
Cap
T-shirt

The group that has clothes that should be worn in cold weather condition is

4. The picture below shows a school fence.



Gumboots and are protective items a person would need while working on the fence.

5. A motorcycle rider was seen transporting chicken as shown in the picture below



It is **not** good to transport chicken as shown in the picture because

.....

6. A learner was on the way to school when a car stopped and a stranger in the car offered to carry the learner to school. The best thing for the learner to do was

.....

7. Three learners **Jane**, **Khalif** and **Lina** discussed the effects of unfavourable weather conditions observed in a certain county as shown in the tables.

Learner	Effects of unfavourable weather conditions
---------	--------------------------------------------

Jane	Destroy crops
------	---------------

Khalif	Blow off roofs of buildings
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Lina	Carry away bridges
------	--------------------

Which learner said what happens during drought and floods?

.....

8. A grade 4 learner planted a bean seed. The learner measured and recorded the height of the bean plant for three weeks as shown in the table.

Week	Week 1	Week 2	Week 3
Height	3 cm	7 cm	10 cm

The characteristic of living things being learned is.....

9. While sorting out dirt, a piece of broken glass accidentally cut the cleaner's hand. State a safety measure the cleaner should observe to avoid being cut again?

.....

10. A school requires a lot of water for building classrooms. Name **one** method the school should use to store the water.

.....

11. During a field trip, grade 4 learners saw wild animals under a tree on a hot day as shown in the picture.



The characteristic of living things shown by the behaviour of the animals is

.....

12. The pictures below show items that were found by a learner on the floor at home.



Write what the learner should do about the items.

.....

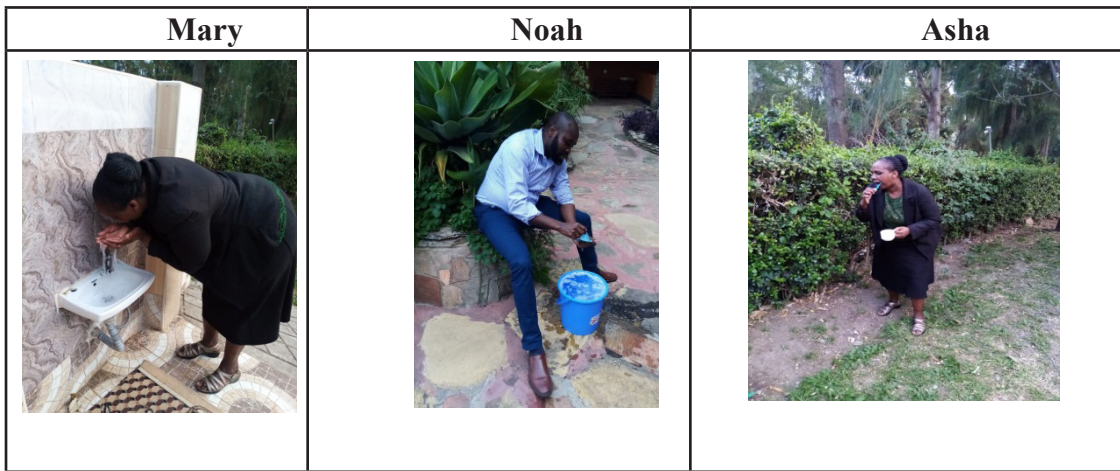
13. The picture below shows waste materials collected during a cleaning activity in a certain school.



Name one thing you can make using any of the materials in the picture.....

14. Learners wanted to make ribbons using soil. Name the type of soil they would use to make long, smooth ribbons.

15. The following pictures show people using water in different ways.



The person who did **not** waste water is

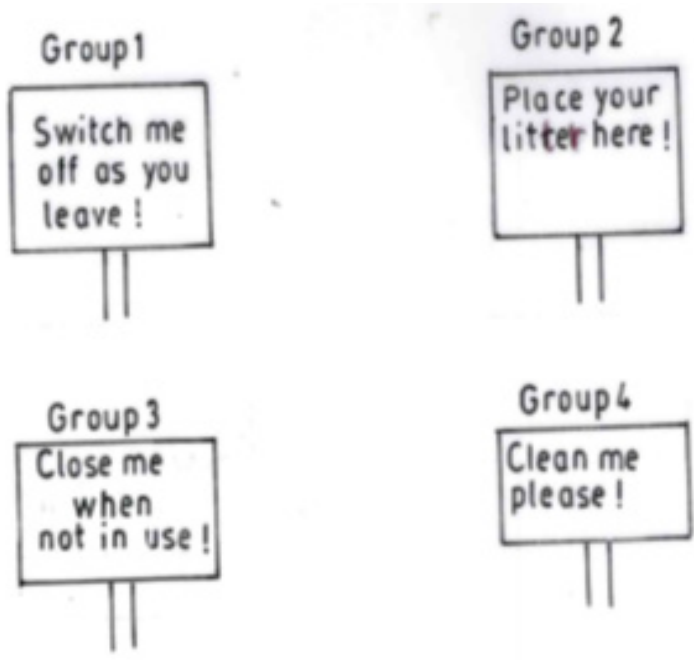
16. The following groups show possible dangers that could happen to a learner in a school environment.

Group 1		Group 2
Snake bite		Inserting stick in electric sockets
Struck by lightening		Throwing stones at each other
Running away from fire outbreak		Running round sharp corners

Which group has dangers that can be avoided through responsible behaviour





.....

17. The following were posters created by groups of grade 4 learners to promote responsible use of environmental resources:



The poster that promotes responsible use of energy is for group

18. The photographs show animals and their products as recorded by learners after a visit to a nearby farm.

Animal	Product
	Mutton
	Feathers
	Wool
	Milk

The animal **correctly** matched with its product is.....

19. The following tables show waste materials grouped 1, 2 and 3, that were collected after a sports day.

Group 1
Bottle tops
Broken glasses
Pieces of sticks
Nails

Group 2
Fruit peels
Maize cobs
Egg shells
Dry leaves

Group 3
Sweet wrappers
Straws
Broken pens
Plastic bottles

Which group has wastes that can be thrown in the garden

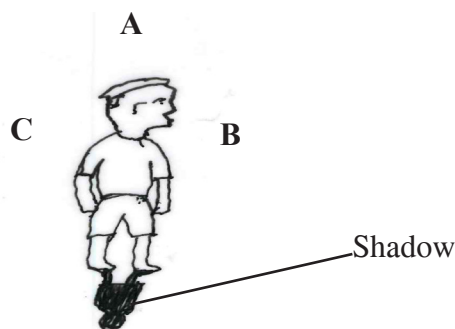
20. A person was seen watering a flower garden as shown in the photograph.



It is not good to water crops as shown in the picture because

.....

21. The diagram below shows a person and the shadow formed. A, B and C show the likely position of the sun at the time the shadow was formed.



The sun was at position when the shadow was formed.

22. The methods used to make water clean and safe for drinking are decanting, filtering and

.....

23. Rotting vegetable wastes were observed in a market. The best way of making the wastes useful to the community was

.....

24. The following are habits that can harm human eyes:

- i. Playing games on mobile phones for many hours
- ii. Reading in dim light
- iii. Watching television for many hours
- iv. Looking at the sun.

Which habit should be avoided during an activity to observe weather conditions?

.....

25. The following projects were suggested by grade 4 learners:

- i. Bee keeping
- ii. Growing Sukuma wiki
- iii. Rabbit keeping
- iv. Selling firewood.

The project that can help conserve the environment and bring money within three months is

.....

26. A person was in a bus that was playing loud music. The part of the body likely to be affected is

.....

27. The reason why it is **not** good to shelter under a tree when it is raining is

.....

28. The photographs below show different kinds of plants observed by grade 4 learners during a nature walk.



These plants can be grouped into thorny and

29. A person can safely move out of a burning house by

30. Learners in a certain school observed and recorded weather conditions on a weather chart for 5 days as shown below.

Day	Morning	Afternoon
Monday		
Tuesday		
Wednesday		
Thursday		
Friday		

Which day was rainy in the morning and sunny in the afternoon?

.....

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