



**THE KENYA NATIONAL EXAMINATIONS COUNCIL**

**SCHOOL BASED ASSESSMENT**

**SCIENCE AND TECHNOLOGY**

**Grade 4 – 2024**

**LEARNER'S NAME:** \_\_\_\_\_

**ASSESSMENT NUMBER:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**SCHOOL NAME:** \_\_\_\_\_

**INSTRUCTIONS TO LEARNERS**

1. *This paper consists of **14** questions.*
2. *Answer **ALL** the questions in the spaces provided.*

The grid below to be filled by the teacher after marking the learners' work. During uploading, the teacher to upload the scores per task.

<b>Tasks</b>	<b>Living Things</b>	<b>Matter</b>	<b>Force and Energy</b>
Question Numbers	1 - 5	6 - 12	13 -14
Max. Score	7	13	5
Learner's Score			

*This paper has 6 printed pages*

**TURN OVER**

Answer ALL the questions in the spaces provided.

1. The picture below was drawn by Jane to show the direction a plant grows when placed next to a window.



The characteristic of plants Jane was demonstrating is that plants

\_\_\_\_\_ (1 mark)

2. The picture below shows an animal with its young ones.



The characteristic of animals as living things shown by the picture is that animals

\_\_\_\_\_ (1 mark)

3. The pictures below are of two animals.



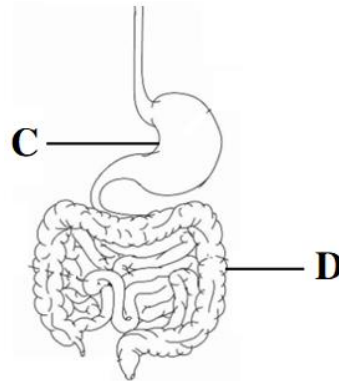
**A**



**B**

Which one of the animals is an invertebrate? \_\_\_\_\_ (1 mark)

4. The drawing below shows the human digestive system with the parts labelled **C** and **D**.



Identify the parts labelled **C** and **D**

**C** \_\_\_\_\_ (1 mark)

**D** \_\_\_\_\_ (1 mark)

5. Learners made the following postures during a lesson on a healthy digestive system.

**Being able to pass stool comfortably.**

**Producing watery stool.**

**Feeling stomach ache after eating food.**

(a) Tick **only one** posture that shows a healthy digestive system. (1 mark)

(b) Explain your answer in 5 (a) (1 mark)

\_\_\_\_\_

6. The picture below shows waste collection bins in a primary school.



(a) Before disposing the waste into the collection bins, the primary school considers

\_\_\_\_\_ and \_\_\_\_\_ (2 marks)

- (b) Name **one** personal protective device that can be used for safety when handling the solid waste to be disposed into the waste collection bins. (1 mark)

7. The picture below shows a waste collection bin in a certain school.



- List **two** examples of waste that should be dropped into the bin. (2 marks)

8. The picture below shows an activity that took place after washing the cloths.



- (a) The clothes are in \_\_\_\_\_ state of matter. (1 mark)
- (b) Water in the wet clothes is in \_\_\_\_\_ state of matter. (1 mark)
9. The size of the balloon shown in the picture below increased when air was blown into it.



State the characteristic of gases demonstrated by the activity.

(1 mark)

10. The pictures were drawn by a Grade 4 learner during a lesson on water conservation.



(a) Tick the picture that shows responsible use of water at home. (1 mark)

(b) Give a reason for your answer in (a) above.

\_\_\_\_\_ (1 mark)

11. Use lines to match the following activities with the correct method of conserving water.

Activity	Method of conserving water	
Jane uses laundry water to mop the floor.	Recycle	
Water company treats wastewater for use at home.	Reuse	
	Reduce	(2 marks)

12. The pictures below were used by Grade 4 learners to demonstrate a characteristic of liquids.



The characteristic of liquids being demonstrated is that liquids have

\_\_\_\_\_ (1 mark)

13. The picture below shows a goalkeeper catching a ball during a football match.



(a) The effect of force on the ball is that force can \_\_\_\_\_ (1 mark)

(b) Name the force that made the goalkeeper to fall to the ground with the ball.

\_\_\_\_\_ (1 mark)

14. The picture below shows a fire.



(a) State how one would keep safe when handling the fire. (1 mark)

\_\_\_\_\_

(b) State **one** domestic use of

(i) light from the fire \_\_\_\_\_ (1 mark)

(ii) heat from the fire \_\_\_\_\_ (1 mark)