



**THE KENYA NATIONAL EXAMINATIONS COUNCIL**

**SCHOOL BASED ASSESSMENT**

**SCIENCE AND TECHNOLOGY**

**Grade 5 - 2024**

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

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

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

**INSTRUCTIONS TO LEARNERS**

*This paper consists of 9 questions.*

*Answer ALL the questions in the spaces provided.*

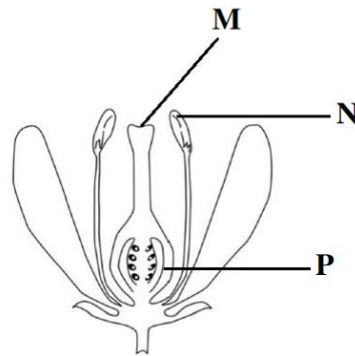
The grid below to be filled by the teacher after marking the learners' work. During uploading, the teacher to upload the learner's score per task.

<b>Tasks</b>	<b>Living Things</b>	<b>Matter</b>	<b>Force and Energy</b>
Question Numbers	1 - 3	4 - 5	6 - 9
Max. Score	7	10	8
Learner's Score			

*This paper has 5 printed pages*

**TURN OVER**

1. The diagram below shows a flower.

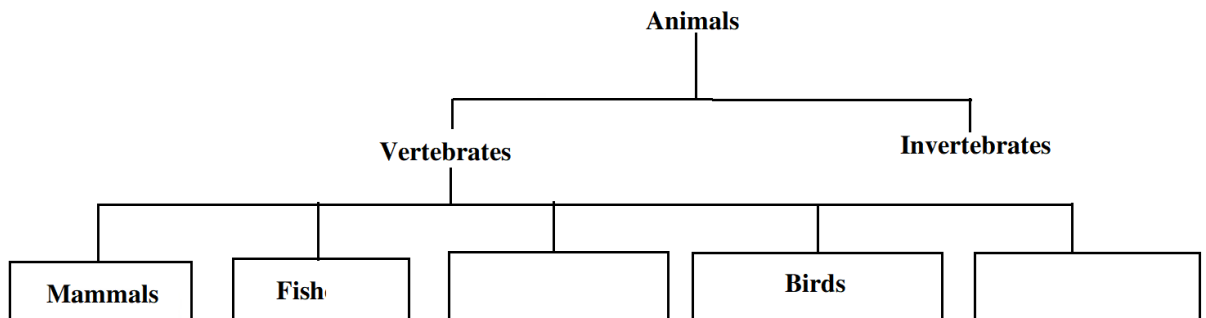


Complete the table below to show the names and functions of the parts labelled **M**, **N**, and **P**.

(3 marks)

Part	Name of part	Function of part
<b>M</b>		Collects pollen grain
<b>N</b>	Anther	
<b>P</b>		Prepare ovules for fertilization

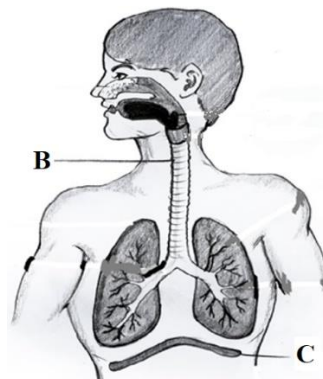
2. The diagram below shows classification of animals.



Complete the diagram by filling the boxes.

(2 marks)

3. The diagram below shows part of the human breathing system drawn by a Grade 5 learner.



Name the parts labelled:

**B** \_\_\_\_\_ (1 mark)

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

4. Iron filings, sand and sugar were accidentally mixed during a class activity. Describe how each of the three substances can be obtained from the mixture. (4 marks)

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5. The picture below shows cows drinking water in a river.



- (a) Identify the main pollutant of the water in the river. (1 mark)

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(b) State why it is dangerous to drink water from the river. (1 mark)

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(c) State **three** methods that can be used to treat the water for domestic use. (3 marks)

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(d) Name **one** protective device that can be worn when driving the cows out of the water. (1 mark)

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6. The following picture shows fish being smoked.



Explain how heat reaches the fish through convection. (2 marks)

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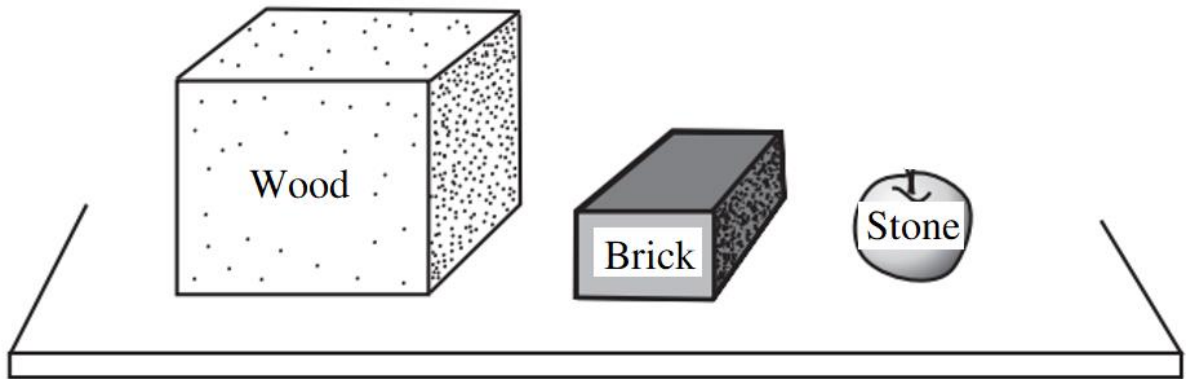
7. A metal spoon and a wooden spoon are used to stir a pot of hot soup. After a few minutes, the metal spoon feels hotter than the wooden spoon. Explain the difference in the observation.

(2 marks)

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8. John placed three objects on a table, as shown below. He put them in order of their sizes.



John thought that big objects sink while small objects float.

- a. Do you agree with John? (1 mark)

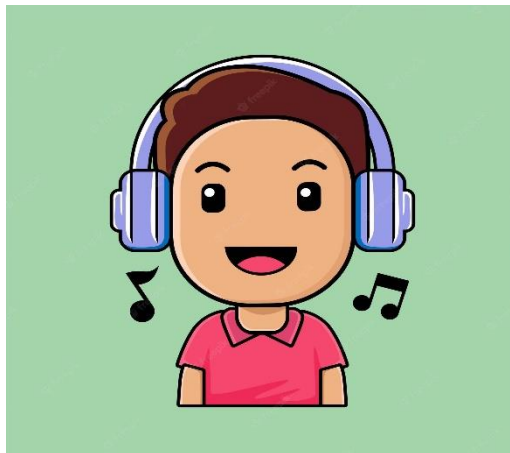
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- b. Explain your answer in a. (2 marks)

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9. During a discussion on effects of loud sound in day to day life, Juma drew a picture of a cartoon listening to loud music using headphones as shown.



- State the effect of prolonged use of the headphones on health. (1 mark)

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