



**THE KENYA NATIONAL EXAMINATIONS
COUNCIL**

**SCHOOL BASED ASSESSMENT
SCIENCE AND TECHNOLOGY
GRADE 5 - 2021**

LEARNER'S NAME: _____

ASSESSMENT NUMBER: _____

DATE: _____

INSTRUCTIONS TO LEARNERS

1. *This paper consists of 22 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 strand.

Task/ Strand	Task 1 Living things	Task 2 Health education	Task 3 Environment	Task 4 Computing devices	Task 5 Matter	Task 6 Force and energy	Task 7 Earth and space
Question Numbers	1 - 7	8 -10	11	12 & 13	14 - 16	17 - 21	22
Max. Score	8	3	3	4	5	5	2
Learner's Score							

1. The picture below shows a fence in a certain home.



Write **one** safety precaution the owner should observe when maintaining the fence.

(1 mark)

.....

2. During a nature walk, a learner took a photograph of the plant shown below.



Which group of plants does it belong?

.....

(1 mark)

3. The picture below shows how a slice of bread appeared after some weeks.



- a) Why do you think it is not safe to eat this slice of bread? (1 mark)

.....
.....

- b) What precaution would you take when handling this slice of bread? (1 mark)

.....
.....

4. The pictures below show vertebrates as a group of animals.



Apart from having the backbone, write **one** other similar characteristic of the two animals as living things. (1 mark)

.....

5. The picture below shows a cat.



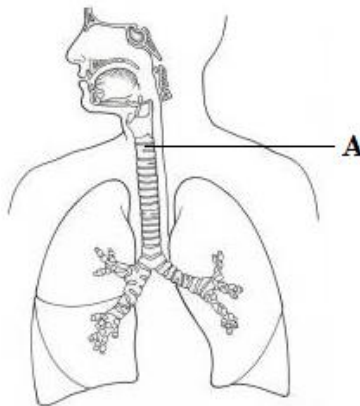
Write **one** observable characteristic that makes it to be classified as a mammal. (1mark)

.....

6. Jack is an athlete. Write **one** part of his skeleton that enables him to move from one point of the field to the other. (1 mark)

.....

7. The diagram below represents a human breathing system.



What is the function of part **A**? (1 mark)

.....

8. “Do not eat undercooked meat” The doctor advised Kauli. Why do you think Kauli should follow the doctor’s advice? (1 mark)

.....

9. Ben's skin was itchy. He had rashes and sores on his skin. The doctor told Ben that his skin was infested by a certain external parasite. State how you can avoid being infested by the same parasite. (1 mark)

.....

10. Sam was told by his father that he may be infected by a water borne disease if he swims and washes in fresh water. His father advised him that it is safer to only swim in the sea or chlorinated swimming pools. Name the water borne disease Sam's father was talking about? (1 mark)

.....

11. Waste management in school is important for a healthy environment. Match the three terms used in waste management with their correct example. (3 marks)

Reducing

Donating old text books

Re-cycling

Using waste to make toys

Re-using

Creating less trash

12. Kate wanted to use a computing device to create a personal journal. What safety precaution do you think she should observe while using the computing device? (1 mark)

.....

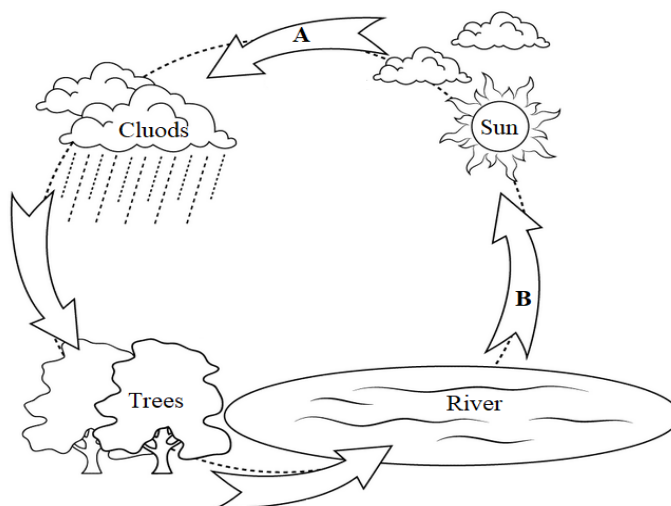
13. Jane wants to use the steps in the table below to create a word document. The steps are not arranged correctly.

	Steps
A	Select blank document
B	Click the file tab
C	Click new

Arrange the steps correctly by writing the letter representing each step in the table below. (3 marks)

Step 1	Step 2	Step 3

14. The diagram below represents a water cycle.



a) What is the name of the process represented by letter **A**? (1 mark)

.....

b) In the process labelled **B**, water changes from state to state. (1 mark)

15. Grade 5 learners collected hailstones and placed them in a container. They observed that the hailstones changed into liquid water after sometime. Write the name of the change of state involved. (1 mark)

.....

16. The picture below shows a fruit.



Complete the table to indicate whether the statements are true or false. (2 marks)

Statement	True or false
Juice made from the fruit has a bitter taste	
Juice made from fruit turns blue litmus paper red	

17. The picture below shows a learner playing with a ball.



State the effect of gravity on the ball.

..... (1 mark)

18. John uses a matatu which plays very loud music every day. Name the device that John can use when in the matatu to avoid damage to his ears? (1 mark)

.....

19. The picture below shows a source of an important sound.



State the importance of the sound it produces.

(1 mark)

.....

20. Cate sat next to a fire to warm herself up as shown in the picture.



List **one** main method through which heat reached her.

(1 mark)

.....

21. Linda was cooking and tried to hold a cooking pot with bare hands but found the pot too hot. Write the method of heat transfer that was involved between Linda's hands and the pot.

(1 mark)

.....

22. Draw diagrams of the first quarter phase and the last quarter phase of the moon in the spaces left in the table below.

(2 marks)

Phase of moon	Drawing
a. First quarter	
b. Waxing gibbous	

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