

# FORM 1 TERM 3 2020

## BIOLOGY

1. Name the branch of Biology that deals with the study of: (3 marks)
- (a) Animals .....
  - (b) Bacteria .....
  - (c) Insects.....

2. List **four** careers that the study of Biology can help you enter. (4 marks)
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- .....
- .....
- .....

3. The diagram below illustrates a certain characteristic of living things. Use it to answer the questions that follow.

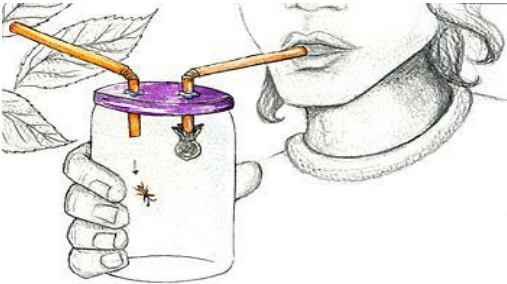


- (a) Identify the characteristic. (1 mark)
- .....
- (b) Apart from the process above, state **five** characteristics of life. (5 marks)

(1 mark)

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4. The diagram below Shows a material for collecting organism for study.



(a) i) Identify the material.

(1 mark)

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ii) Give how the material above is used in organism collection.

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(b) Apart from the material shown, list four other materials used in collection of organism.

(4 marks)

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5. a) Define the term species (1mark)

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b) Give a reason why a human being and a baboon cannot breed yet they belong to the same genus (1mark)

*They belong to different species.*

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6. State three precautions taken during collection and observation of the specimens. (3marks)

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7. a) what is Binomial Nomenclature ? (1mark)

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b) Give two reasons why scientific names are given in Latin. (2marks)

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8. a) Xavier a form one Student observed a leg of an insect under a hand lens and made a drawing of the leg whose length was 4cm with a magnification of x2. What was the actual length of the leg?

(4marks)

b) Draw and label the three main parts of a hand lens (4marks)

9. State any three external features of plants and animals giving example in each case.

i) Plants(3marks)

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ii) Animals(3marks)

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10. State any three principles of binomial nomenclature (3marks)

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11. State the seven major taxonomic units of classification starting from the largest to the smallest unit (7marks)

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12. Give any **three** importance of classification of living organisms. (3marks)

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13. State one major contribution of Carolus Linnaeus to the science of today. (1mark)

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14. Differentiate between locomotion and movement as used in living organisms (2marks)

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15. State five major kingdoms of living organisms giving an example in each (10marks)

Kingdom	Example

16. State **four** differences between plants and animals. (8marks)

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17. Give three reasons why a motor vehicle is not considered as a living thing yet it moves. (3marks)

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18. What is magnification? (2marks)

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