

NAME.....ADM NO.....
SCHOOL.....DATE.....
SIGN.....

BIOLOGY
TIME: 2 ½ HOURS

2017
FORM 1 PAPER

INSTRUCTIONS TO CANDIDATES

- a) Write your name and admission number in the spaces provided above
- b) Sign and write the date of examination in the spaces provided above
- c) Answer all questions
- d) Answers must be written in the spaces provided in the question paper
- e) This question paper has 5 printed pages.
- f) Students should check the question paper to ascertain that all the pages are printed as indicated and that not questions are missing
- g) Students should answer the questions in English.

FOR EXAMINER'S USE ONLY

Question	Maximum score	Student's Score
1-18	80	

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.



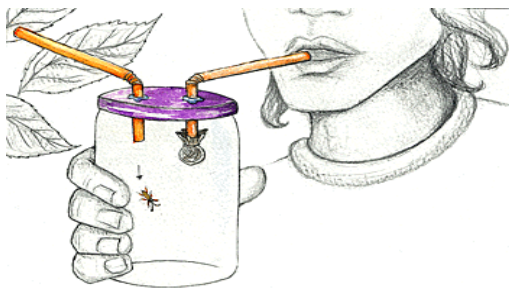
(a) Identify the characteristic. (1 mark)

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(b) Apart from the process above, state **five** characteristics of life. (5 marks)

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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. (1 mark)

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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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