

KIYALA HIGH SCHOOL
END OF YEAR ASSESSMENT TEST 2024
BIOLOGY
S.1

Time: 2 Hours

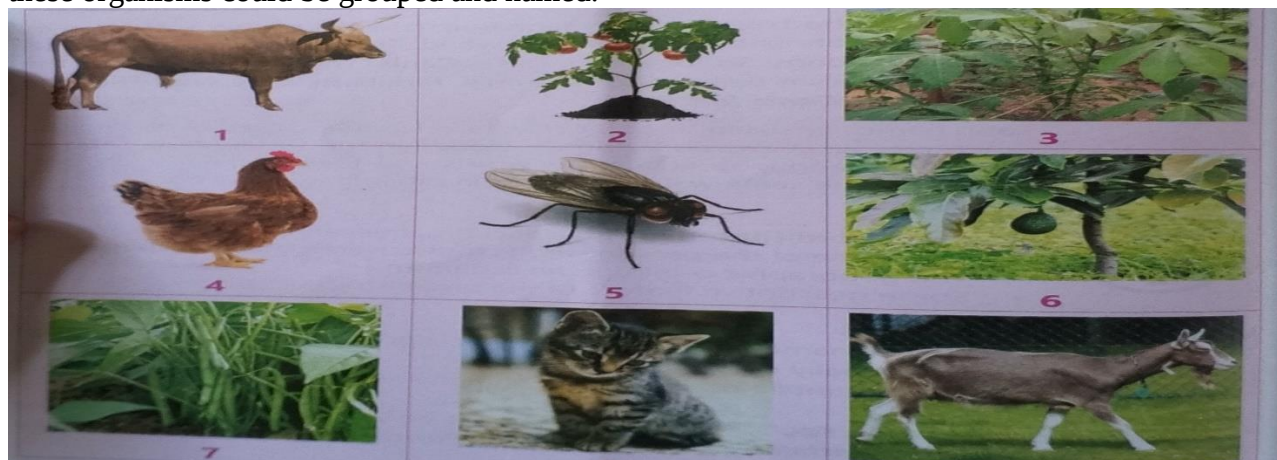
INSTRUCTIONS:

- The paper contains **five** items with both section **A and B**
- **Section A** is compulsory and choose only one item from **section B**
- Any **additional item** attempted **will not** be scored

SECTION A

Item 1

A P.1 boy looked at the teachers compound and saw a number of animals and plants. He wondered how these organisms could be grouped and named.



The boy has approached you for help. As a student who has studied classification in biology;

a) Identify all the organisms given in the picture by giving their English and scientific names

Organism	English name	Scientific name
1		
2		
3		
4		
5		
6		
7		
8		
9		

b) Explain to the boy

i) What is meant by classification?

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ii) Why is it necessary to classify living organisms?

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c) Classify the organisms in (a) above into;

i) Kingdom level

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ii) Class level

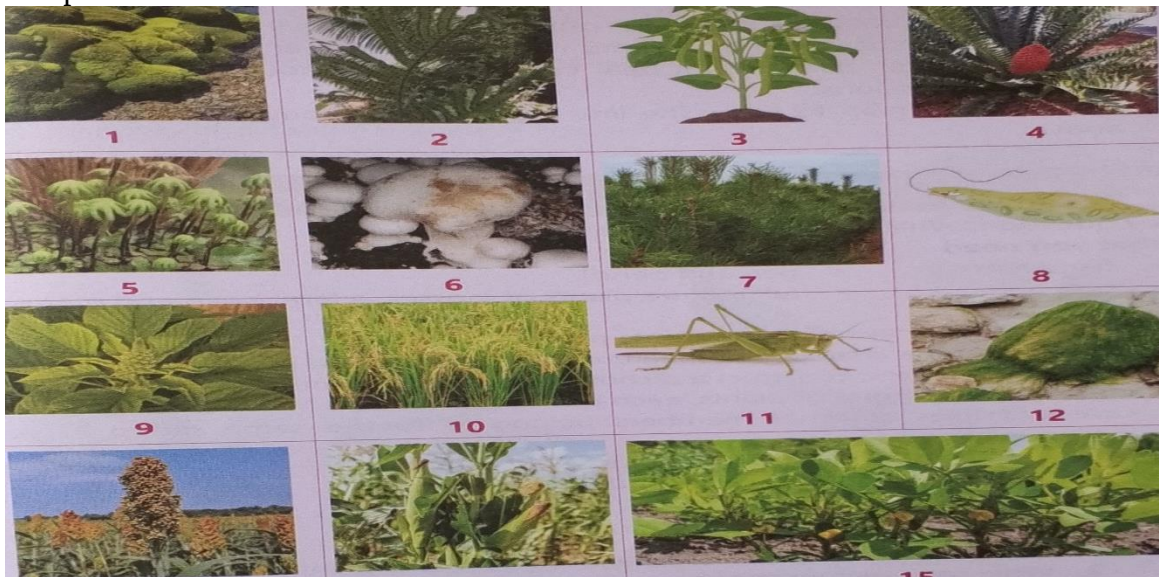
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Item 2

A group of tourists visited a certain botanical centre and were shown the following specimens; moss, fern, cycad, pinus, livermorts, bean, amaranthus, maize, sorghum, rice, algae, euglenas, grass hoppers, groundnuts plants and mushrooms. You have been selected to act as a guide to the tourists. As a student who has studied about different organisms, help the tourists to group all these organisms into plants and non-plants



a)

Plants	Non-plants

- b) Identify all organisms;**
- i) With vascular systems**
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 - ii) Without vascular system**
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 - iii) Which are gymnosperms.**
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 - iv) Which are angiosperms**
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 - v) Which are monocots**
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 - vi) Which are dicots**
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- c). Give two main differences between gymnosperms and angiosperms**
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item 3

jane went to the supermarket and bought one piece of loaf, she ate only two slices and kept the rest in a cupboard for four days. On checking on the bread, she noticed a strange appearance on the bread. Wondering what could have happened to her bread, she approached you for some explanations.



Task

As a student who has learnt about kingdom fungi;

a) Explain what happened to Jane's bread.

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b) Apart from bread, state any two other types pf foods that can be affected by fungi.

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c) Identify any three (3) general characteristics of kingdom fungi

i)

ii)

iii)

d) State the economic importance of fungi in industrial processes

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e) What health risks would Jane experience by eating such bread?

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SECTION B

Attempt only one item from this section

Item 4

A farmer in your village observed the following plants

Sorghum, groundnuts, cypress, ferns and mosses. He has a plan of opening a floriculture project, where he could produce flowers for sale. You have been contacted for guidance by the farmer.

Task

As a student who has learnt about kingdom plantae, help the farmer to classify the above plants by drawing a flow chart/ diagram and finally constructing a dichotomous key to identify all the plants observed.

Item 5

Phylum arthropoda is found in kingdom Animalia. A boy in P.7 preparing for PLE wonders whether organisms in phylum arthropoda can be compared to man or cow.

Task

As a learner in S.1 who has studied about kingdom Animalia, write a report outlining the general characteristics of phylum arthropoda.

Wishing you Good luck