

Names:

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ITEMS	LEARNERS SCORES
Item 1	
Item 2	
Item 3	
Item 4	
Total Scores	

KIYALA HIGH SCHOOL
MID TERM TWO ASSESSMENT TEST 2025
BIOLOGY
S.2

Time: 1 Hours: 30mins

INSTRUCTIONS:

- The paper contains two sections A and B with four items.
- Section A is compulsory.
- Attempt **only one** items from section B
- Any **additional item** attempted **will not** be scored

SECTION: A

Item 1.

Mr. Bakitabwire grows beans as his source of income to pay fees and cater for the family needs. His land has been exhausted therefore the yield lowered. He decided to hire a new piece of land in a nearby village. When he started ploughing the land, it was hard and sticky. He employed a tractor but when he planted, the beans still gave every poor yield due to too much rain.

Task

a) Why did Mr. Bakitabwire's land get exhausted?

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b) Which soil type was at the land hired by Mr. Bakitabwire? Give a reason for your answer.

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c) How did the too much rain affect the bean yield?

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d) What would you do to that land if you were Mr. Bakitabwire?

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Item 2.

Abdul was digging his garden to plant maize. He noticed living organisms coming out of the soil. He wondered how these organisms were able to survive in the soil.

Task.

a) Identify living organisms found in the soil.

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b) Explain the role of these organisms in the soil.

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c) Explain any three factors that can affect the life of living organisms in the soil.

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SECTION B

Attempt only one item.

Item 3

A Biology teacher was explaining to the S.2 class about the nitrogen gas as being important for plant growth. Some learners did not understand how nitrogen was utilized by plants. **Task:**

Help the class to understand by explaining the following processes: **a)**

Nitrogen fixation

b) Ammonification

c) Nitrification

d) Denitrification

Item 4. Plants get nitrogen from soil while animals obtain nitrogen by eating plants or animals that eat grass.

Task

Construct a systematic scheme of the Nitrogen Cycle showing all processes involved.

***** WISHING YOU SUCCESS *****