

Name:

Signature:

545/1
CHEMISTRY
THEORY
1 HOUR

KIYALA HIGH SCHOOL
MID TERM 2 ASSESSMENT TEST 2025
CHEMISTRY
S1

INSTRUCTIONS:

- This paper consists of **two** examination items.
- Answer all the items.
- Responses to these items are to be written in the **spaces** provided in this booklet.
- An **untidy** work will lead to loss of scores.

FOR SCORER'S USE ONLY	
ITEM 1	
ITEM 2	
TOTAL SCORE	

Item 1:

In a chemistry practical lesson at Kololo S.S organized in groups, Sharon, the group leader is heating a test tube using a Bunsen burner. She adjusts the burner until the air holes are fully open to get a flame that allows her to heat the contents quickly and efficiently, leaving no marks on the test tube.



However, her friend Oliver in the same group was confused about what category of flame Sharon was using, she decides to approach you for assistance.

Task:

As a chemistry learner with knowledge about flames;

a) Guide her to understand;

i. the category of the flame Sharon uses.

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ii. the properties of this type of flame.

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b) Advise her on the common applications of this type of flame.

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Item 2:

A group of students are conducting an experiment with different substances in a chemistry laboratory. They are studying the properties of substances, such as juice, and oil. The students notice that these substances almost had the same properties. However, they have little knowledge about the state of the substances they were investigating.

Task:

As a learner of chemistry;

- a) Guide the students on the state of matter of the substances.

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- b) Suggest the properties of state of the substances the students observed during their experiment.

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- c) Explain why liquids can flow and take the shape of their containers.

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