

DAYSTAR SECONDARY SCHOOL, WAKISO

MID TERM ASSESMENT

S.1 CHEMISTRY ASSESMENT

545/1

1hr and 50min

Section A

Attempt all questions

1. (a) Define matter (1 mark)
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(b) Name the tree states of matter (3 marks)
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2. Explain the importance safety signs to chemists. (2 marks)
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3. (a) What is a flame? (1 mark)
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(b) What is the best flame for heating materials in the laboratory and why? (2 marks)
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(c) Give three differences between luminous and non-luminous flame. (3 marks)
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4. Explain how the following chemical processes have contributed to our economy.
(a) Manufacture of cement. (1 mark)
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(b) Sewage treatment. (1 mark)

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(d) Manufacture of sugar. (1 mark)

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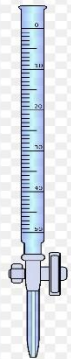
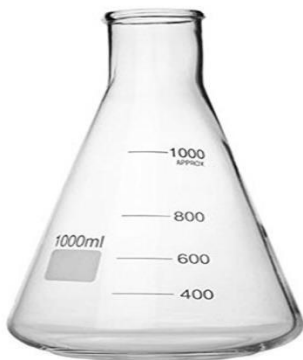

(e) Manufacture of fertilizers (1 mark)

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5. Complete the table below. (5 marks)

Apparatus	Name	Use
		
		

Section B

Attempt one question

6. As a senior one student who studied about matter, in a single write up, compare the average kinetic energy, particle arrangement and intermolecular forces in solids, liquids and gases based on the kinetic theory of matter. (15 marks)

7. A group is conducting an experiment to investigate the properties of carbon dioxide, they collect data and observations throughout the experiment. Based on the competency based scientific inquiry, which steps of the scientific method should they follow to ensure accuracy and reliability of their results? (15 marks)

