



AITEL EXAMINATION

UGANDA CERTIFICATE OF LOWER SECONDARY CURRICULUM

S1 END OF YEAR

CHEMISTRY

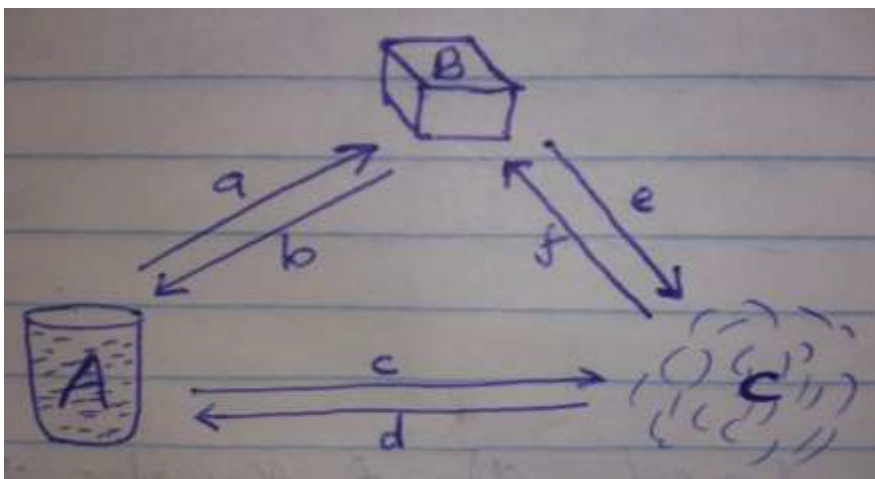
INSTRUCTIONS

Attempt all questions

Be neat with your handwriting

1. S1 students at standard high school were asked to carry out an experiment on the effect of heat on ice.

The illustration below shows the results that were obtained



- a. Name the changes of the state a e and the conditions of heat that favor their formation

	Change of state	condition
a		
b		
c		
d		
e		

b. Describe the arrangement of particles in;

A

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B

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C

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c. Using fact about kinetic theory of matter, how are the particles arrangements different in A, B and C

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2. The head of department chemistry at your school wishes to purchase laboratory equipment, he has been given a list of them only that he does not know how they look like. In addition, he does not know how they are scientifically called.

You have been called as a S1 student for assistance basing on the following questions.

a. How do we call laboratory equipment.

b. Complete the table below

Name of the equipment	drawing	use
Test tube		
Beaker		
Pair of tongs		
Filter funnel		
Test tube holder		
Bunsen burner		

3. When an orange is peeled from one corner, its aroma spreads out of the surrounding and can be smelt at a distance away from the corner
- a. What is the general name for the above phenomena (1 mark)
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- b. Briefly describe at least three ways in which the above mentioned phenomena happens
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- c. Explain why clothes dry
- i. On a hot day
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- ii. Inside a house
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- iii. On a windy day
- iv.
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SECTION B

4. Chemistry has contributed to society both positively and negatively. State three ways in which it has done so, explaining the positive and negatives

This image shows a full page of white paper with horizontal dotted lines. The lines are evenly spaced and run across the entire width of the page, providing a guide for handwriting or typing. There are no margins, text, or other markings on the page.