

545/1

CHEMISTRY

Nov/Dec 2023

2 Hours: 30 Mins



MEBU EXAMINATIONS BOARD

Uganda Certificate of Lower Secondary Education

S.1 END OF YEAR ASSESSMENT 2023

CHEMISTRY

TIME: 2:30 MIN



INSTRUCTIONS

- Answer **all** questions
- Answers **MUST** be written in the spaces provided.

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SECTION A

1. Explain the following observations. (05 marks)

a. If you put some sugar in warm water, water becomes sweet even without stirring.

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b. Wet Clothes dry faster on a sunny day than a cloudy day

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c. Ice melts when heated

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d. When a tightly inflated balloon is left in a room for over 3 days, its size reduces.

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e. Wet clothes dry when hanged even in cold weather.

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2. (a) By stating a material, give reasons (property) why each of the following items are made from the materials you have named. (08 marks)

ITEM	MATERIAL	PROPERTY FOR THE CHOICE OF MATERIAL
Water pipes		
Desk		
Fishing nets		
Tea pot		

(b) Explain how plastics are dangerous to the environment. (02 marks)

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3. (a) A list of statements below shows examples of changes that take place in the environment. State whether they are physical or chemical. (05 marks)

i. A piece of paper is folded in halfway.

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ii. Droplets of water form on the outer surface of cold glass of water.

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iii. Glucose is fermented into ethanol.

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iv. A piece of sodium is sliced into smaller pieces.

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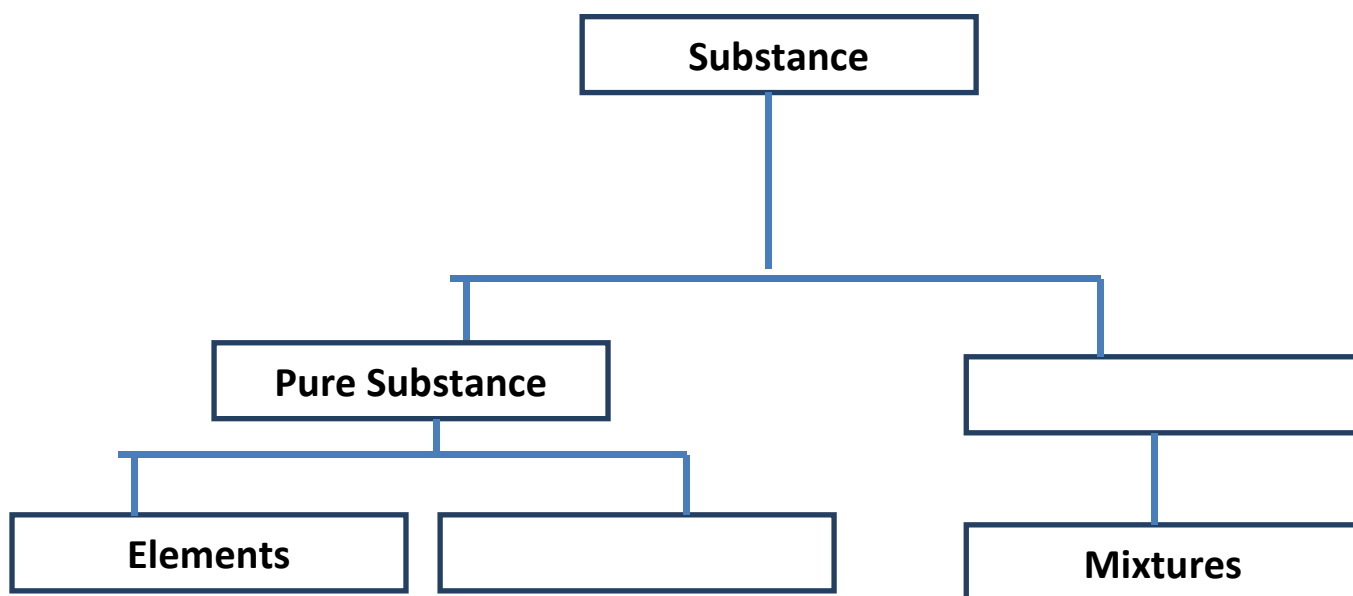
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v. Dry ice (solid carbon dioxide) sublimates directly to gaseous carbon dioxide.

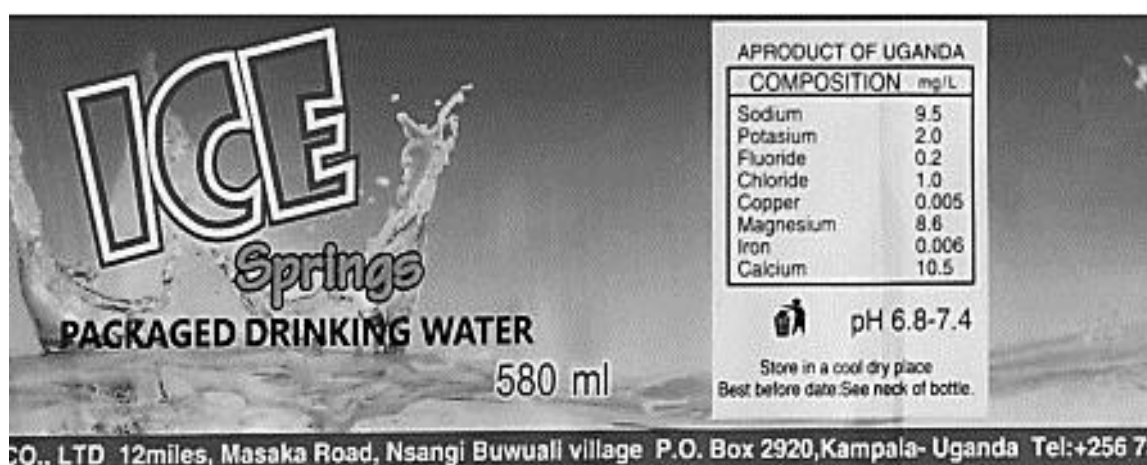
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4. (a) Complete (*by filling in the blank spaces*) the flow diagram below that shows the classification of substances present in nature. (02 marks)



(b) Packed mineral water contains naturally occurring elements which are important in the body. Below is a label of “*Ice water*” study it and answer the questions that follow.



- (i) Write symbol of each element present in water. (Use a table; Name of element and Symbol)
 (08 marks)

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a) Name the brown solid that coated the iron nails. (01 mark)

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[illegible]

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