S.2 CHEMISTRY END OF TEM ONE 2023 CHEMISTRY ASSESSMENT EXAM

Name: ....……..……

School: ……..……..……

TIME: 1Hour: 30 minutes

Uganda Certificate of Education

Chemistry Paper 1

INSTRUCTIONS:

- *This paper consists of **four** questions.*
- *Answer **all** questions in the spaces provided.*

Illustrations in form of drawings should be made where necessary, with a sharp pencil

Table for Examiners use only

Number	Marks	Comment.
1		
2		
3		
4		

1. Objects we use in everyday life are made from materials which are either plastics, ceramics; metals; wood , metals or glass.

(a)State two useful properties of plastics. (02 marks)

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(b)Plastic waste management is a challenge in our communities today. Poor disposal of plastics as shown in the picture below is a big threat to human health around the globe.

(a)What threats do plastics pose to the environment and man. (05 marks)

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(b)Suggest two possible solutions to the threats plastics pose to the environment you have written in (a). (02 marks)

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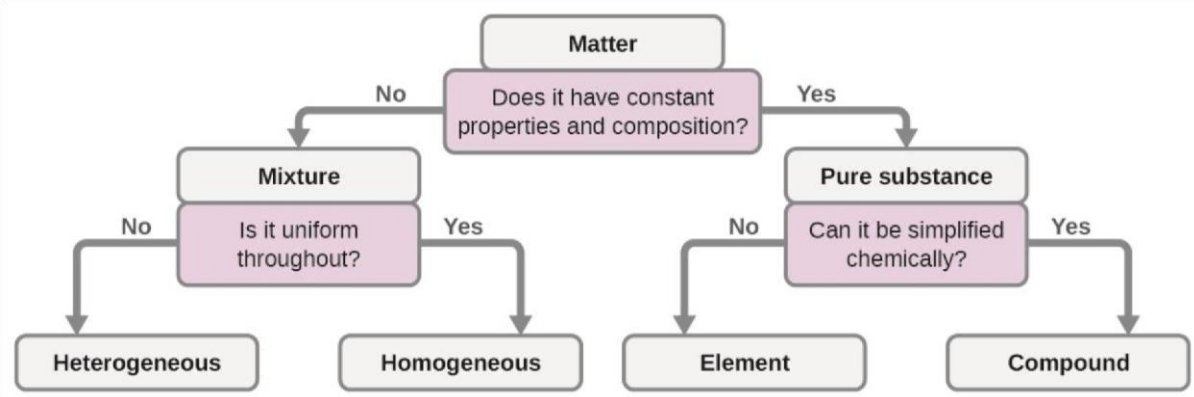
2. Below is a flow used summarized by one group of S.2 students about matter in terms of elements; compounds and mixtures.



(a)Classify the following substances as element; compound or mixture.

(i) Sugar. (01 mark)

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(i) Charcoal. (01 mark)

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(ii) Sugar solution. (01 mark)

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(b)State two differences in properties between sugar and sugar solution.

(02 marks)

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(c)Briefly describe how pure water can be obtained from sugar solution.

(03 marks)

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(d)Name the substance that can be used to test for the pure water obtained in (c), and state what would be observed when the substance named is used to test for the pure water obtained. (02 marks)

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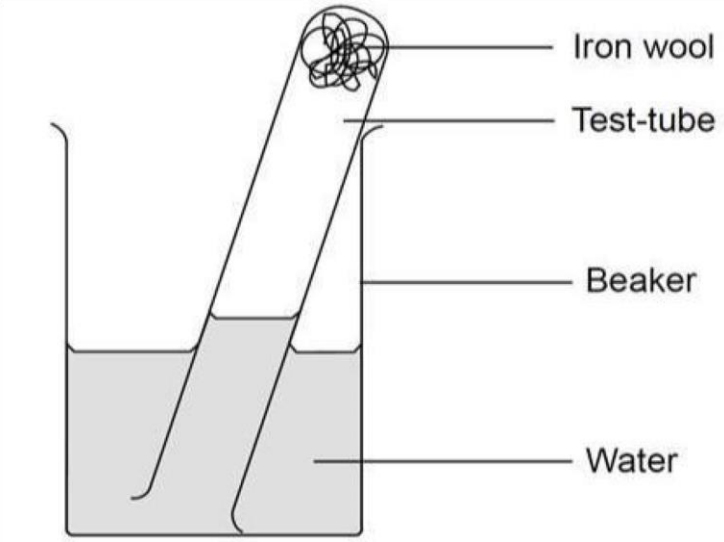
3. Below is a set up apparatus that was used to investigate the most active component of air. Study it and answer the questions that follow



(a)(i)Identify the component of air being investigated? (01 mark)

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(ii)State the approximate percentage of the component of the air being investigated in the experiment above. (01 mark)

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(iii)Name the process that took place in set up apparatus above. (01 mark)

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(iv)State the type of change that took place leading to the process named in (iii) above and give one reason for the type of change that took place.(02 mrks)

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(b)State why there was rise of some water inside the test tube? (04marks)

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END