

NAME..... STREAM

S 2 END OF TERM 1

CHEMISTRY

TIME: 1:¼ HOURS

INSTRUCTIONS: Attempt all numbers

1. a) Using the knowledge of elements, compounds and mixtures, classify the following substances as elements, compounds or mixtures. (05 marks)

Substance	classification
Common salt
Muddy water
Rust
Aluminium
Copper wire

b) State four differences between mixtures and compounds. (08 marks)

Mixtures	Compounds

c) State any two applications of fractional distillation. (02 marks)

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2 a) List any three natural sources of water. (03 marks)

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b) Define the term sewage. (01 mark)

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c) Outline the four major steps involved in sewage treatment. (04 marks)

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d) State any two uses of the byproducts of sewage. (02 marks)

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3 a) List any three materials which are;

i) Natural. (03marks)s

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ii) Synthetic. (03 marks)

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b) Describe how any two physical properties of cotton relate to their uses in everyday life (0 4 marks)

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4 a) Classify the following changes as either temporary or permanent (05 marks)

Changes	Classification
Boiling an egg	
Burning of candle wax	
Freezing of soda	
Growth of bean seedlings	
Heating blue band	

b) state four differences between temporary and temporary changes (04 marks)

Temporary change	Permanent change

5 a) Describe how the following types of rocks are formed;

i) Igneous rocks. (02 marks)

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ii) Sedimentary rocks. (03 marks)

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iii) Metamorphic rocks. (01 marks)

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b) State any three uses of rocks.(02 marks)

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