

KIPSUTER BOYS SECONDARY SCHOOL

CAT 1 TERM 2, 2017

FORM ONE

CHEMISTRY

Name: _____ Adm. No. _____ Class: _____ Date: _____

Instructions:

- i). Write your name, admission number, class & date in the spaces provided above.*
- ii). Check the question paper to ascertain that all pages are printed as indicated and that no question is missing.*
- iii). Answer ALL questions in the spaces provided after each question.*

1. State two laboratory rules that involves heating. (2mks)

2. State two effects of tobacco on a smoker. (2mks)

3. Define the following terms: (4mks)

i). Solution

ii). Saturated solution

iii). Condensation

iv). Distillate

4. Name the method by which the following mixture could be separated. (5mks)

i). Water and ethanol.

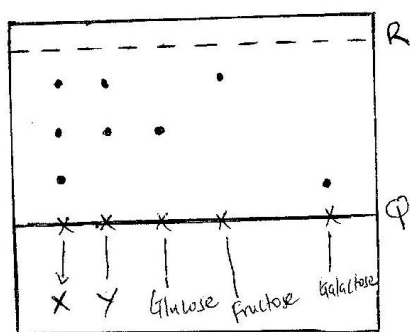
ii). Kerosene and water.

iii). Iron filings and sulphur powder.

iv). Coloured extract of grass dissolved in ethanol.

v). Dust from air.

5. The chromatogram below is an acid enzyme x and y and three simple sugars.



i). Name two simple sugars present in both x and y. (2mks)

ii). Name lines R and Q. (2mks)

6. a) What is a conductor? (1mk)

b) Indicate whether the following substances are conductors or non-conductors. (4mks)

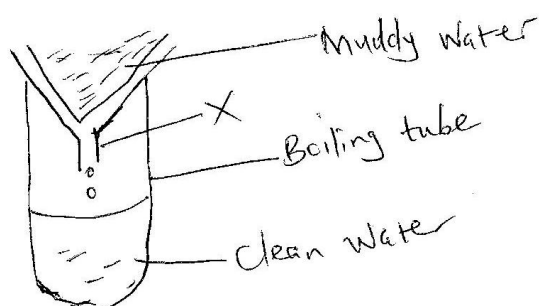
i). Copper

ii). Rubber

iii). Glass

iv). Graphite

7. The diagram below shows how muddy water can be made clean. Study and answer the questions that follow.



i). Name the apparatus labeled X. (1mk)

ii). Give a reason why the clean water took a long time to drop into the boiling tube.

(1mk)

iii). Name the method of separation shown above. (1mk)

iv). Give any other method that can be used to separate muddy water.(1mk)

v). Name the product that remain after all water has passed through the apparatus X.

(1mk)

vi). What name is given to the clean water in the boiling tube? (1mk)

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