

Name.....

Sign

Random No.	Personal No.

(Do not write your school/Centre Name or Number anywhere on this booklet)

545/2
CHEMISTRY
(PRACTICAL)
Paper 2
Jul/Aug 2024
2 hours



BUSOGA REGION JOINT EXAMINATION BOARD

Uganda Certificate of Education

CHEMISTRY

PAPER 2

2 Hours

INSTRUCTIONS TO CANDIDATES

This paper consists of one compulsory examination item.

Answers to this item are to be written in the spaces provided in this paper.

Use blue or black ink.

All working must be clearly shown.

Mathematical table and silent non-programmable scientific calculators may be used.

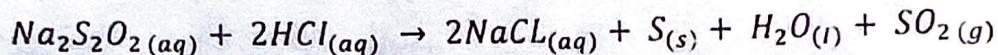
You are not allowed to use reference books (i.e textbooks, booklets.)

Candidates are advised to carefully read the item, make sure they have all the apparatus and chemicals they may need and then plan appropriately before starting.

Item

An insecticide manufacturing factory heavily relies on sulphur as a raw material for production of their insecticides .The sulphur used is obtained from the reaction between sodium thiosulphate solution and hydrochloric acid which are available in the factory stores.

To increase the rate of sulphur formation and meet the high demand for insecticides, the factory chemist decided to increase the temperature of sodium thiosulphate solution. Sodium thiosulphate solution reacts with hydrochloric acid according to the chemical equation below.



You are provided with

BA 1 which is a solution of sodium thiosulphate .

BA 2 which a solution of hydrochloric acid

Task

- (a) Design an experiment you would carry out to investigate the suitability of the chemist's intervention.

(b) Carry out the experiment and record your findings.

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(c) What can the factory chemist deduce from your findings?

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END