

PRE-REGISTRATION EXAMINATIONS 2024 Uganda Certificate of Education CHEMISTRY PAPER 2

Item 1

In a certain laboratory they were trying to prepare amorphous Sulphur, and they came to discover that concentration could be having an effect on the rate of production of Sulphur from sodium thiosulphate and hydrochloric acid.

$$Na_2S_2O_{3(aq)} + HCl_{(aq)} \longrightarrow 2NaCl_{(aq)} + SO_{2(g)} + S_{(s)} + H_2O_{(l)}$$

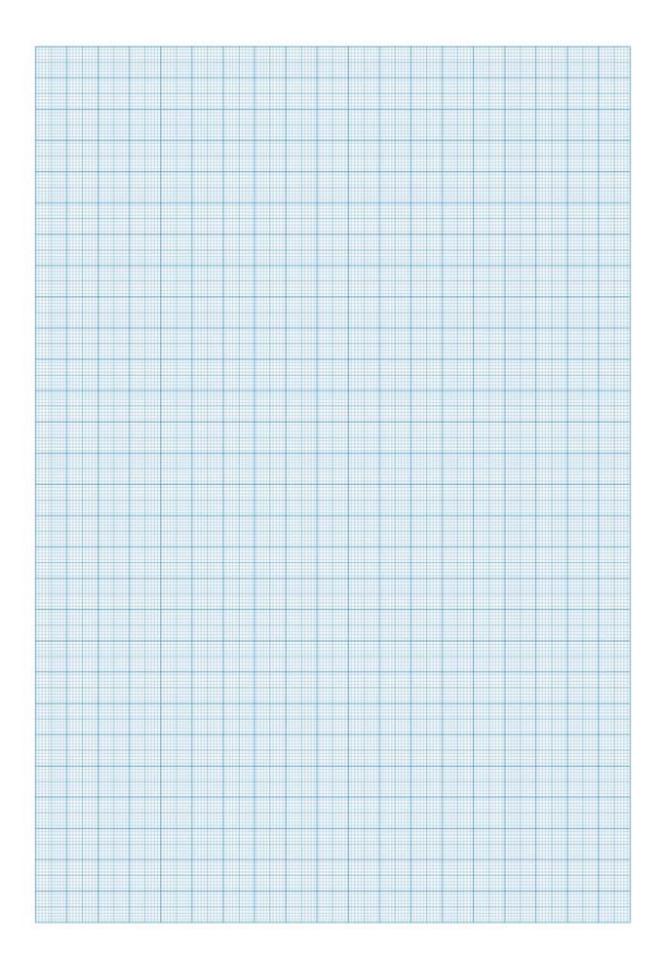
You are provided with;

- BA₁ which is sodium thiosulphate
- BA2 which is Hydrochloric acid solution
- Some apparatus

a)	nsk Design and carryout an investigation that can help them verify their observation.
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b) Carryout the experiment and record your findings.
c) Analyze the data and draw your conclusion.
ENID
END