Oxford Cambridge and RSA

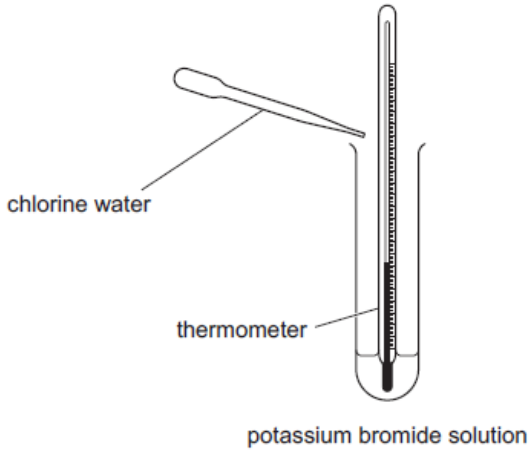
GCSE Chemistry B (Twenty First Century Science)

J258/04 Depth in chemistry (Higher Tier)

Question Set 19

1. Mia wants to investigate the trend in reactivity for Group 7 elements.

She adds chlorine water to a solution of potassium bromide.



She looks for a temperature change and a colour change.

She also has access to these solutions.

iodine water	potassium iodide
bromine water	potassium bromide
chlorine water	potassium chloride

Describe what Mia needs to do to find out the trend in reactivity of the Group 7 elements **and** describe what observations and conclusions she should expect.

[6]

Total Marks for Question Set 19: 6

Resource Materials

The Periodic Table of the Elements