REACTIVITY SERIES HW 3

1 Equal volumes of the same hydrochloric acid solution are placed into three separate test-tubes. Equal sized pieces of the metals, copper, iron and magnesium, are dropped into the test-tubes.
The results are shown in Fig. 11.1.

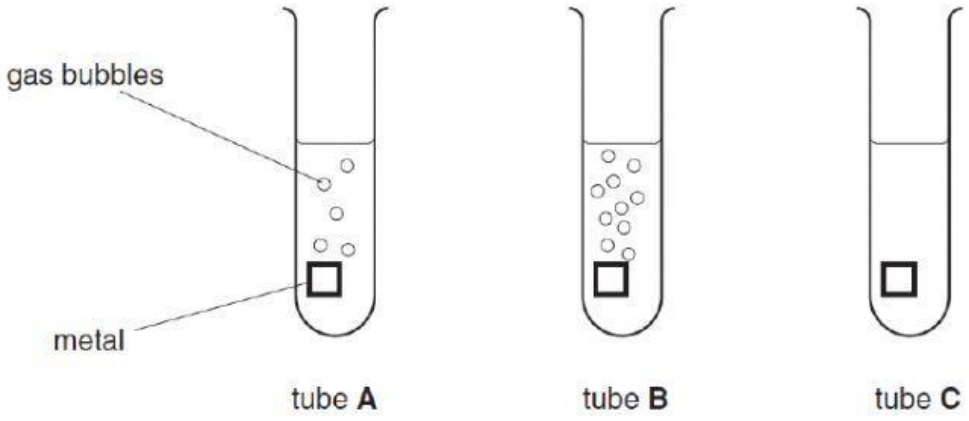


Fig. 11.1

(a) Name the gas produced in tubes **A** and **B**. ..... [1]

(c) **(i)** Which tube contains copper? .....

(ii) Which tube contains magnesium? ..... [2]

2 Study the reaction scheme shown in Fig. 11.1.

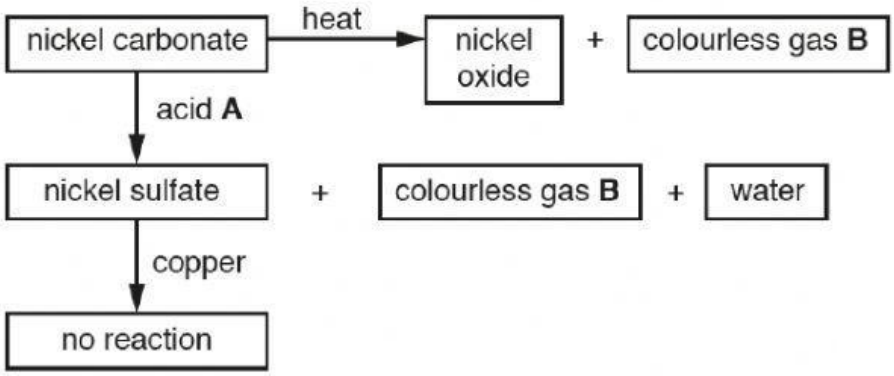


Fig. 11.1

(a) Identify acid **A** and colourless gas **B**.

acid **A** .....

colourless gas **B** ..... [2]

(b) Explain why nickel is not displaced from a nickel sulfate solution by copper.

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.....[1]

LIVEWORKSHEETS