

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.

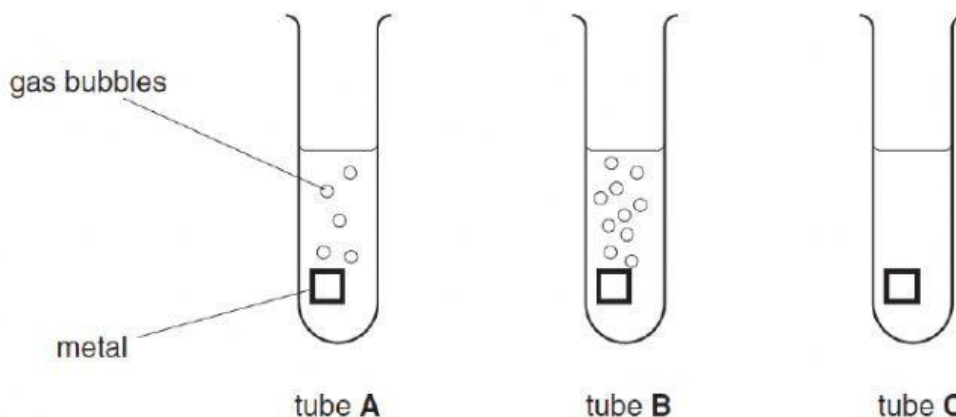


Fig. 11.1

- (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.

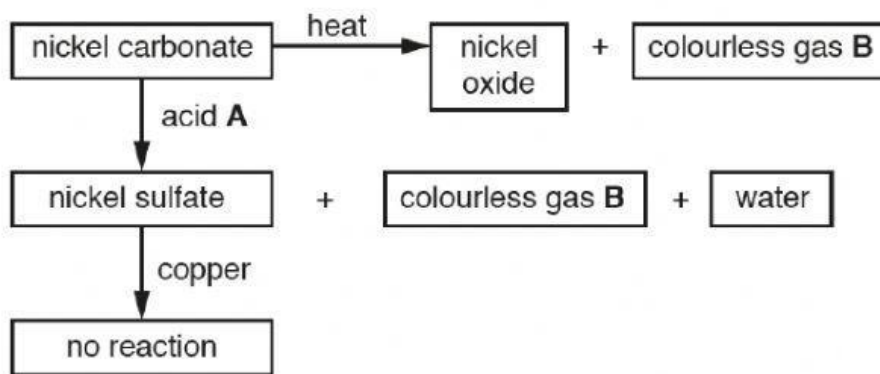


Fig. 11.1

- (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]