

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.

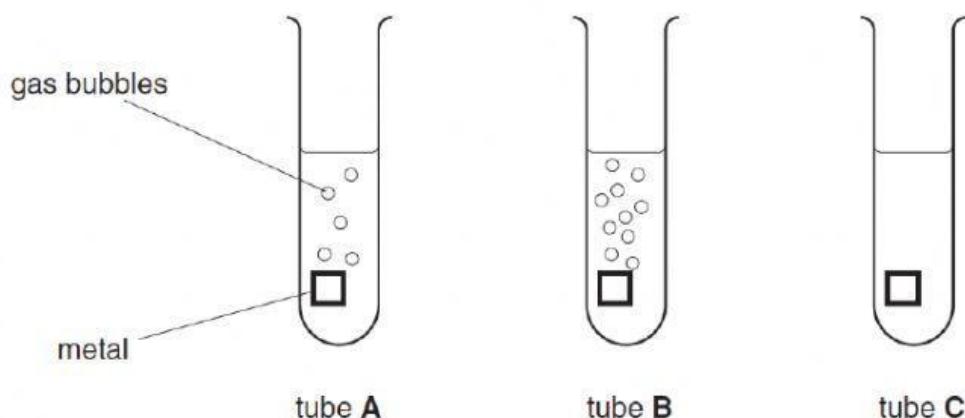


Fig. 11.1

(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.

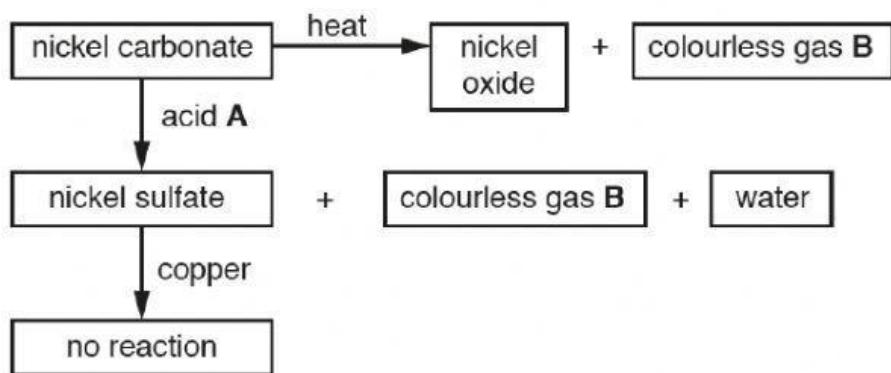


Fig. 11.1

(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.

..... [1]