REVISION: GASES (HYDROGEN GAS)

1. *Figure 1* shows dilute hydrochloric acid reacting with calcium carbonate. A gas is produced

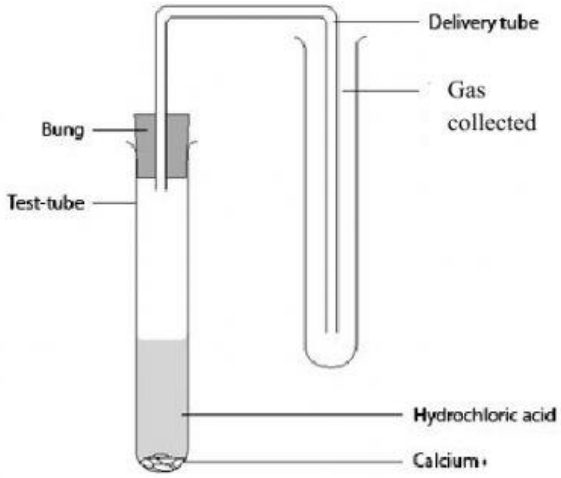


Figure 1

a) Name the gas collected in the test tube

_____ [1]

b) Give a test for this gas

_____ [1]

c) Give two properties of the gas collected

(i) _____

(ii) _____ [2]

d) Hydrogen gas reacts with oxygen to form water

Explain why:

i. hydrogen gas is an element

_____ [1]

ii. water is a compound

_____ [1]

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e) Give one use of hydrogen

_____ [1]

f) Complete the word equation below:

- Calcium + Hydrochloric acid → _____ + Hydrogen gas [1]
- Magnesium + Nitrate acid → _____ + _____ [2]

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