



# F4 Acids reacting with metals and with carbonates (page 1)

1 Complete the sentences below using the following words.

**zinc metals hydrogen bubbles**

When acids react with metals, a gas is given off. For instance, when the metal ..... reacts with acid in a test tube, you can see ..... of gas coming from the metal. Then, when you hold a lighted splint above the test tube, the gas catches alight with a squeaky pop, showing that it is ..... . You always get hydrogen when ..... react with acid.

2 a Add these words to complete the following passage:

**lime water carbonate carbon dioxide**

Marble is a chemical called a ..... . Acid reacts with carbonates to give off a gas called ..... . It is denser than air, so it stays in a test tube containing a carbonate and some acid. You can collect this gas in a pipette and bubble it through ..... . The lime water goes cloudy, so you know the gas is carbon dioxide.

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