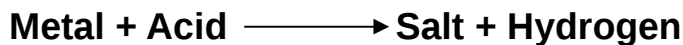


Writing Chemical Equations

Metals can react with acids to form a metal salt and hydrogen gas. This can be written as an equation:



This is a general equation which is different for each metal and acid that is used.

You will meet three common acids: Hydrochloric acid which makes *chloride* salts,

Sulphuric acid which makes *sulphate* salts

and Nitric acid which makes *nitrate* salts.

Example

Sodium + sulphuric acid \longrightarrow sodium sulphate + hydrogen

Now try filling in the gaps in these equations:

1. Calcium + hydrochloric acid \longrightarrow _____ + Hydrogen
2. Potassium + _____ acid \longrightarrow Potassium nitrate + Hydrogen
3. _____ + Sulphuric acid \longrightarrow Iron sulphate + _____
4. Zinc + _____ acid \longrightarrow _____ chloride + Hydrogen

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