

A salt is formed when an acid reacts with a base or alkali. The first part of the name of the salt comes from the name of the metal in the base or alkali. The second part of the name comes from the name of the acid.

For example, when potassium sulphate is made:

the *potassium* comes from the *potassium* hydroxide; the *sulphate* comes from the *sulphuric* acid.

The word equation for this reaction is:



Different salts are made from different acids.

chlorides are made from hydrochloric acid

sulphates are made from sulphuric acid

nitrates are made from nitric acid

Use the box to help you write word equations like the one above for the following reactions.

1 potassium hydroxide reacting with sulphuric acid



2 potassium hydroxide reacting with nitric acid



3 potassium hydroxide reacting with hydrochloric acid



4 calcium hydroxide reacting with hydrochloric acid



5 magnesium oxide reacting with hydrochloric acid



6 calcium hydroxide reacting with sulphuric acid



I CAN...

• write word equations for neutralisation reactions • decide which salt is made from a particular acid and base or alkali.