

### Naming salts.

There are rules for naming salts.

**Rule 1:**

**Rule 2:**

What type of salt is produced when the following acids are used?

Acid	Salt
Hydrochloric acid (HCl)	
Sulphuric acid (H <sub>2</sub> SO <sub>4</sub> )	
Nitric acid (HNO <sub>3</sub> )	

Name the salts produced when the following metals and acids are used.

Metal	Acid	Salt
Calcium	Nitric acid	
Magnesium	Hydrochloric acid	
Lead	Sulphuric acid	
Potassium	Nitric acid	
Sodium	Hydrochloric acid	
Copper	Sulphuric acid	

**Reacting metal compounds with acids.**

Write word and balanced symbol equations for the reactions below.

**Reacting metal oxides with acids.**

**metal oxide + acid → salt + water**

1. Magnesium oxide reacts with hydrochloric acid

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2. Zinc oxide reacts with nitric acid

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3. Copper oxide reacts with sulphuric acid

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**Reacting metal hydroxides with acids.**

**metal hydroxide + acid → salt + water**

1. Sodium hydroxide reacts with hydrochloric acid

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2. Potassium hydroxide reacts with nitric acid

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3. Magnesium hydroxide reacts with sulphuric acid

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**Reacting metal carbonates with acids.**



- 1.** Calcium carbonate reacts with hydrochloric acid

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- 2.** Sodium carbonate reacts with nitric acid

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- 3.** Potassium carbonate reacts with sulphuric acid

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