

CAIE Chemistry IGCSE

7.2 Oxides

Flashcards

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What is an acidic oxide?



What is an acidic oxide?

An acidic oxide is generally formed when a non-metal reacts with oxygen. When an acidic oxide is reacted with water, an acid is formed

E.g. SO_2 and CO_2



What is a basic oxide?



What is a basic oxide?

A basic oxide is generally formed when a metal reacts with oxygen. When a basic oxide is reacted with water, a base is formed.

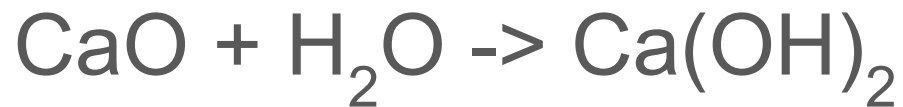
E.g. CaO and CuO



What is the product when CaO is reacted with water?



What is the product when CaO is reacted with water?



Calcium oxide + water \rightarrow Calcium hydroxide



What is an amphoteric oxide?
(extended only)



What is an amphoteric oxide? (extended only)

Some metal oxides are amphoteric meaning they can neutralise both acids and bases to form a salt and water.

E.g. Al_2O_3 and ZnO

