

# OCR (B) Chemistry A-Level

## EL5 - Equilibria (Acid-Base)

### Flashcards

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# What is an acid?



# What is an acid?

An acid is a species that releases  $\text{H}^+$  ions in solution.



# What is an alkali?



# What is an alkali?

An alkali is a species that releases  $\text{OH}^-$  ions in solution.



# What is a base?



# What is a base?

A base is a soluble alkali.



# What is a neutralisation?





## What is a neutralisation?

A neutralisation is when the proton on an acid molecule is replaced by a metal ion (or ammonia), forming a salt and water.

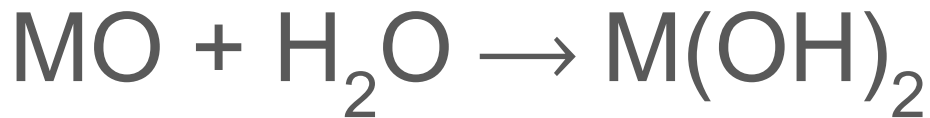


# How do group 2 oxides react with water?



How do group 2 oxides react with water?

(M is a group 2 metal)



Group 2 oxides are therefore basic as they release  $\text{OH}^-$  ions when dissolved.

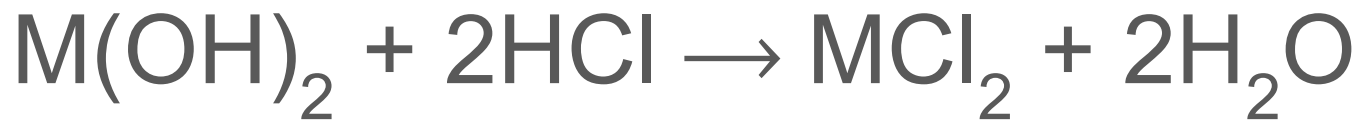


How do group 2 hydroxides react with hydrochloric acid?



How do group 2 hydroxides react with hydrochloric acid?

(M is a group 2 metal)



Group 2 hydroxides neutralise metals.

