



KEKUATAN ASID DAN ALKALI

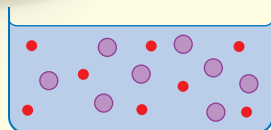
STRENGTH OF ACID AND ALKALI

Asid kuat ialah asid yang mengion **lengkap** di dalam air.
A **strong acid** is an acid that ionises **completely** in water.

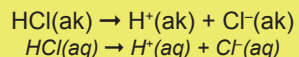
- Mengion lengkap
Ionises completely
- Semua molekul asid terion
All acid molecules are ionised
- Kepekatan ion H^+ tinggi
High concentration of H^+ ions

Contoh / Examples:

- Asid hidroklorik, HCl
Hydrochloric acid, HCl
- Asid sulfurik, H_2SO_4
Sulphuric acid, H_2SO_4
- Asid nitrik, HNO_3
Nitric acid, HNO_3



Asid kuat
Strong acid

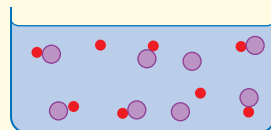


Asid lemah ialah asid yang mengion **separa** di dalam air.
A **weak acid** is an acid that ionises **partially** in water.

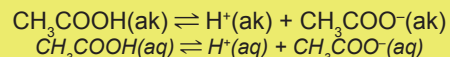
- Mengion separa
Ionises partially
- Banyak molekul asid tidak terion
Most acid molecules are unionised
- Kepekatan ion H^+ rendah
Low concentration of H^+ ions

Contoh / Examples:

- Asid etanoik, CH_3COOH
Ethanoic acid, CH_3COOH
- Asid karbonik, H_2CO_3
Carbonic acid, H_2CO_3



Asid lemah
Weak acid

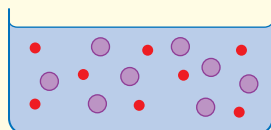


Alkali kuat ialah alkali yang mengion **lengkap** di dalam air.
A **strong alkali** is an alkali that ionises **completely** in water.

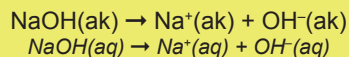
- Mengion lengkap
Ionises completely
- Semua molekul alkali terion
All alkali molecules are ionised
- Kepekatan ion OH^- tinggi
High concentration of OH^- ions

Contoh / Examples:

- Natrium hidroksida, $NaOH(ak)$
Sodium hydroxide, $NaOH(aq)$
- Kalium hidroksida, $KOH(ak)$
Potassium hydroxide, $KOH(aq)$
- Barium hidroksida, $Ba(OH)_2(ak)$
Barium hydroxide, $Ba(OH)_2(aq)$



Alkali kuat
Strong alkali

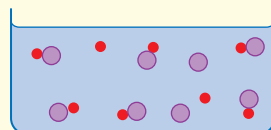


Alkali lemah ialah alkali yang mengion **separa** di dalam air.
A **weak alkali** is an alkali that ionises **partially** in water.

- Mengion separa
Ionises partially
- Banyak molekul alkali tidak terion
Most alkali molecules are unionised
- Kepekatan ion OH^- rendah
Low concentration of OH^- ions

Contoh / Example:

- Ammonia, NH_3
Ammonia, NH_3



Alkali lemah
Weak alkali

