

Acid: A chemical that has a pH less than 7 produces hydrogens.

Alkali: A chemical that has a pH greater than 7 and dissolves in water. Produces hydroxide ions.

- Salts are neutral compounds which are formed in neutralisation reactions.
- A neutral compound will turn universal indicator Green and have a pH of 7.

- Metal + Acid $\longrightarrow$ Salt + Hydrogen gas
- Alkali + Acid $\longrightarrow$ Salt + Water
- Base + Acid $\longrightarrow$ Salt + Water
- Metal Carbonate + Acid $\longrightarrow$ Salt + Water + Carbon Dioxide.

- The first name comes from the alkali / metal / base.
- The second name comes from the acid. But it changes its name.

Hydrochloric acid $\longrightarrow$ chloride

Sulphuric acid $\longrightarrow$ Sulphate

Nitric acid $\longrightarrow$ nitrate