Neutralisation Reactions

Acids and Alkali's Neutralise each other:

Acid+Alkali -> salt +Water

Acids react with alkali to form a neutral solution of salt and water. This is know as neutralisation reactions because the products have a neutral pH (i.e a pH of 7)

Making salts by Neutralisation

Making salts is pretty easy- you just need a steady hand

Step 1: Wearing eye protection, add an acid to an alkali dropwise with a pipette.

Step 2: After every few drops, remove a small sample to check if the pH is neutral.

Step 3: keep adding acid until the the solution is neutral UK

Step 4: When it's neutral place the solution in an evaporating dish and about thirds of it can be toiled off to make a saturated solution of salt.

Step 5: Leave the solution overnight for the rest of the water to to evaporate and nice big crystals will form. The slower the crystallisation, the bigger the crystals.

To change the salt, you must change the Acid:

- 1. The salt you get out of the neutralisation reaction above depends on the acid you use.
- 2. the clue is normally in the name:

Hydrochloric acid reacts to make chloride salts...... like sodium chloride.

Sulfuric acid reacts to make sulfate salts..... like copper sulfate . Nitric acid reacts to make nitrate acids..... like sodium nitrate