Chromatography

It is the method used to separate and identify the components of the mixture of soluble substance

Uses of chromatography

It is used to test the purity of a substance

it is used to separate different pigments colours with the ink or plant pigment like chlorophyll

Paper chromatography

- It is a simple type of chromatography that has two phases
- Stationery phase
- mobile phase
- now what does stationery phase means
- stationery phase means the chromatography paper does not move
- mobile phase means solvent moves and carry the sample along the paper

Paper chromatography

Procedure

- draw a baseline with the pencil on the paper
- place small spot of the sample on the line
- For the solvent like water into the beaker
- hang the paper so that its bottom just touch the solvent
- let the solvent move upward and carry the pigments

- remove the paper before the solvent reaches the top
- mark the solvent front the highest point the solvent reached
- the pattern of spots form is called chromatogram

Result

Each part of the chromatogram Represent the different substance in the mixture