

# Revision of Mandatory Chemistry Experiments



## Mandatory investigations and experiments

OC2

Separate mixtures using a variety of techniques: filtration, evaporation, distillation and paper chromatography.

OC17

Grow crystals using alum or copper sulfate.

OC19

Investigate the pH of a variety of materials using the pH scale.

OC22

Show that approximately one fifth of the air is oxygen; show that there is CO<sub>2</sub> and water vapour in air.

OC24

Prepare a sample of oxygen by decomposing H<sub>2</sub>O<sub>2</sub> using MnO<sub>2</sub> as a catalyst.

OC27

Prepare carbon dioxide and show that it does not support combustion.

OC30

Conduct a qualitative experiment to detect the presence of dissolved solids in water samples, and test water for hardness (soap test).

OC38

Titrate HCl against NaOH, and prepare a sample of NaCl.

OC46

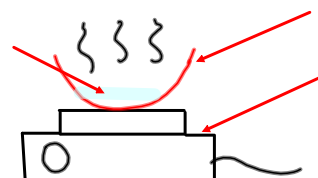
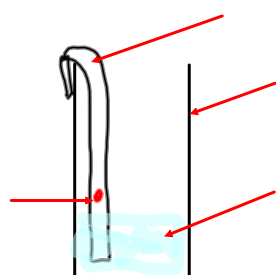
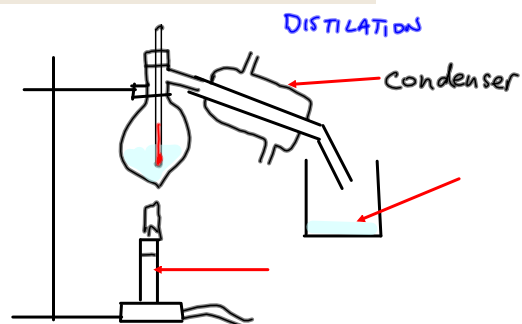
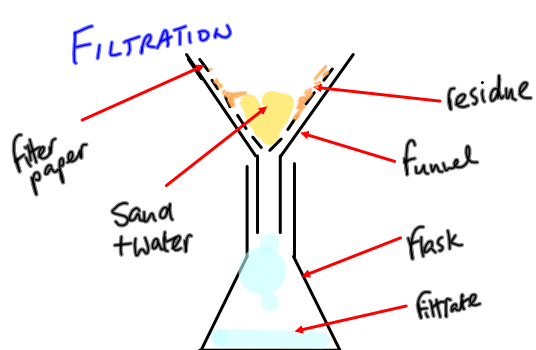
Carry out an experiment to demonstrate that oxygen and water are necessary for rusting.

OC51

Investigate the reaction between zinc and HCl, and test for hydrogen.

OC2

Separate mixtures using a variety of techniques: filtration, evaporation, distillation and paper chromatography.



OC17

Grow crystals using alum or copper sulfate.

OC19

Investigate the pH of a variety of materials using the pH scale.

OC22

Show that approximately one fifth of the air is oxygen; show that there is CO<sub>2</sub> and water vapour in air.

OC24

Prepare a sample of oxygen by decomposing  $\text{H}_2\text{O}_2$  using  $\text{MnO}_2$  as a catalyst.

OC27

Prepare carbon dioxide and show that it does not support combustion.

OC30

Conduct a qualitative experiment to detect the presence of dissolved solids in water samples, and test water for hardness (soap test).

OC38

Titrate HCl against NaOH, and prepare a sample of NaCl.

OC46

Carry out an experiment to demonstrate that oxygen and water are necessary for rusting.

OC51

Investigate the reaction between zinc and HCl, and test for hydrogen.