

AS and A-level Chemistry practicals: Equipment set up

Practical 5: Distillation of a
product from a reaction

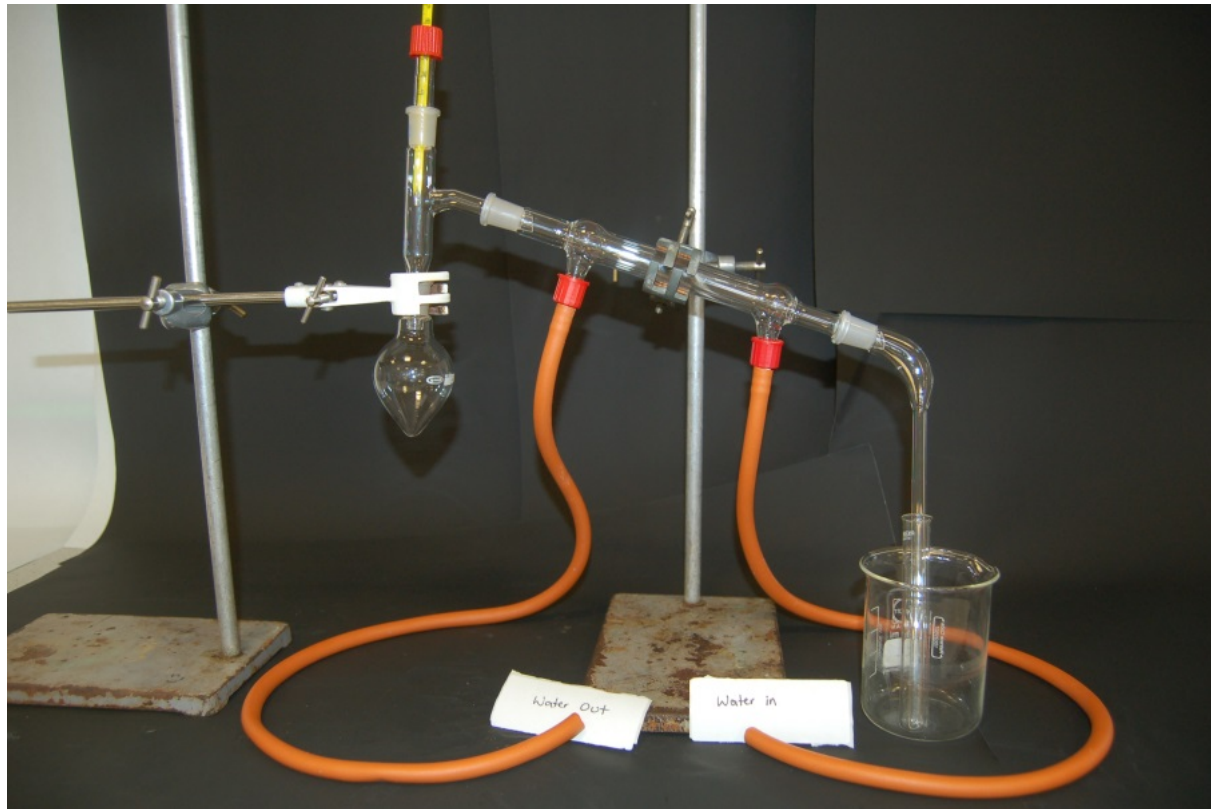
Alternative 5b

Apparatus

Quickfit apparatus can be obtained from many school suppliers.



Setting up the distillation



Setting up the distillation

- The joints can be secured with plastic joint clips to make the apparatus more secure but this is not essential.
- When connecting the condenser connect the water supply to the inlet nearest the delivery tube so the water flows uphill.
- Check for air bubbles in the condenser and water leaks from the connectors before attaching the remainder of the apparatus for distillation.

Simple distillation

If Quickfit apparatus is not available, distillation can be carried out simply by evaporation from a boiling tube and allowing the gas to condense in a cool test tube in an ice-water bath.

Simple distillation

