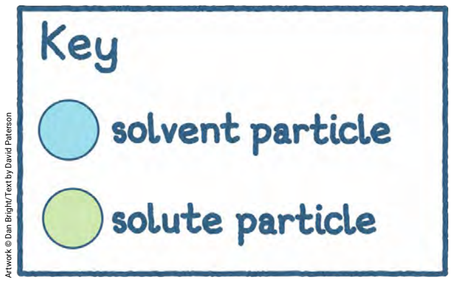
Simple distillation

Artwork © Dan Bright/Text by David Paterson



Solvent vapour rises up the still head, with some condensing into drops on the inside.

The thermometer measures the temperature of the solvent vapour.

Solvent vapour condenses into drops on the cooled tube.

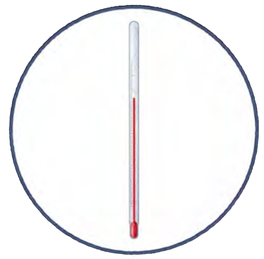
The mixture contains solvent and solute particles. Heating causes increased evaporation of the solvent (at the surface), and eventually boiling (bubbles of solvent vapour forming).

Drops of solvent (now distillate) collect in a receiver.

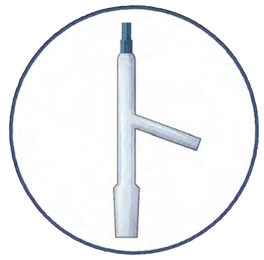
Round-bottomed flask
contains the mixture and anti-bumping granules



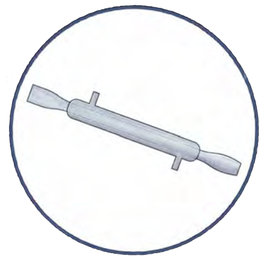
Thermometer
measures the vapour's temperature



Still head
connects the flask and the condenser



Condenser
the cool water condenses the distillate vapour



Still receiver
connects the condenser to the receiving flask



Receiver
e.g. a round-bottomed flask, beaker, test tube



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