

## Distillation apparatus

Name Class Date			
Naille Class Date	ate	Date _	Class



## I can...

• explain how distillation can be used to separate a solvent from a solution.

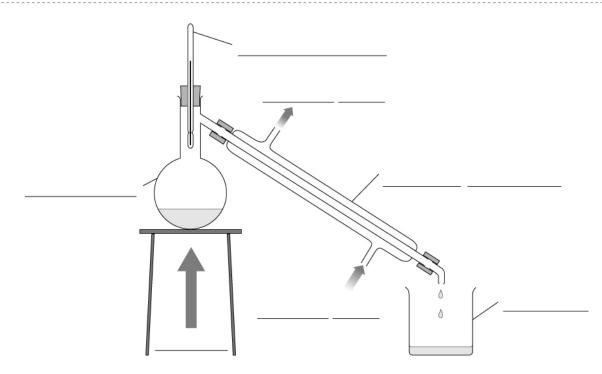
The diagram below shows the apparatus used to distil a liquid from a solution.

beaker	flask	heat water in	Liebig condenser water out	thermometer
		water iii	mato. out	

**1** Label the parts of the apparatus using words from the box above.

Cut out the labelled diagram and stick it in your book.

- **2** a Put an E on the diagram to show where evaporation takes place.
  - **b** Put a C on the diagram to show where condensation takes place.
- **3** Cut out the boxes at the bottom of the page. Arrange them in the right order to explain what happens when you distil dirty water.



The water evaporates and forms steam. The dirt does not evaporate.	The dirty water mixture is put into the flask.
The mixture is heated.	The steam goes into the condenser.
The water runs into the beaker.	The steam condenses to form pure water.
The cold water flowing around the outside of the condenser cools the steam.	