

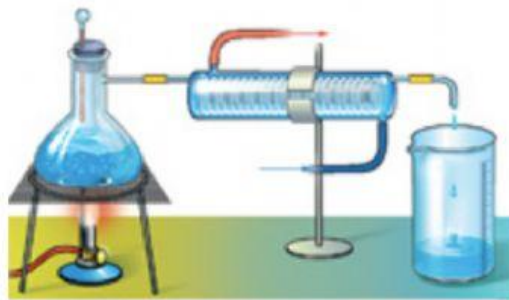
Name the techniques, using the words in the box:

filtration

distillation

evaporation

dissolution



Match the methods of separation to the descriptions and examples:

Evaporation

The mixture is passed through a filter. The solid particles are trapped in the filter, but the liquid particles pass through.

Separating alcohol from water

Distillation

The mixture is heated. The liquid evaporates and the solid remains in the recipient.

Separating salt from water

Filtration

The mixture is heated. One of the liquids begins to evaporate and the other liquid remains in the recipient.

Separating sand from water

Order the steps of dissolution:

☐

Filter the mixture to separate the soluble solid from the insoluble one.

☐

Add water to the mixture to dissolve the soluble solid.

☐

Evaporate the remaining solution to separate the soluble solid from the water.

Complete the sentences to describe how the techniques are used:

Dissolution	Distillation	Filtration	Evaporation
This technique can be used to separate a _____ from an _____. For example, _____ and _____.	This technique can be used to separate a _____ from a _____. For example, _____ and _____.	This technique can be used to separate an insoluble solid from a liquid. For example, soil and water.	This technique can be used to separate a _____ form a _____. For example, _____ and _____.

Match the mixtures to the different separation methods.

sand
and
water

cocoa
and
milk

sand
and
salt

water
and
vinegar

Distillation

Evaporation

Filtration

Filtration
and
evaporation