

Separation Techniques Test Yourself 3

Distillation

The apparatus below shows the apparatus to carry out distillation. Rearrange the sentences to explain how distillation works.

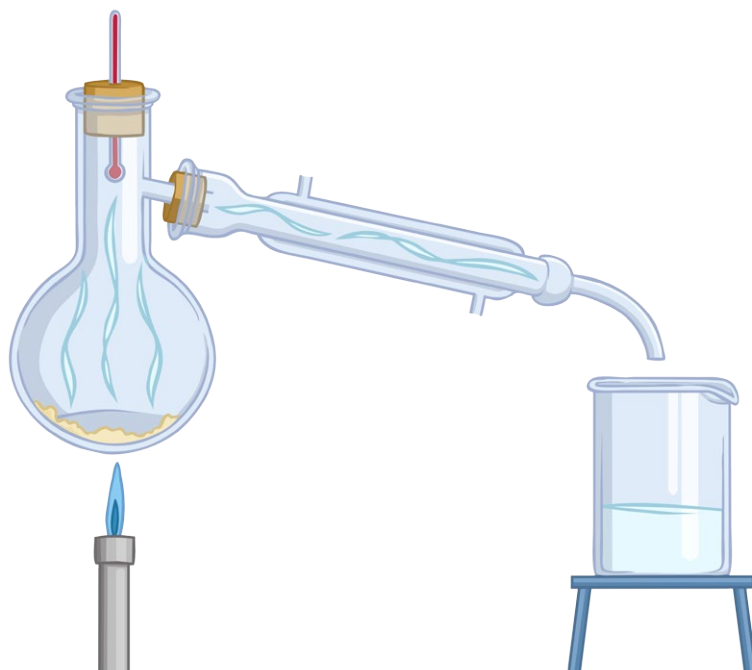
The water starts to boil and steam is produced.

The pure water drips into the conical flask.

The salt water is heated.

The steam travels through the condenser.

As the steam travels along the condenser it cools down and forms a liquid.



True or False?

State whether the following statements are true or false.

- Chromatography is used by forensic scientists.
- When a substance dissolves, it is correct to say it disappears.
- A saturated solution will not allow any more solute to dissolve in it.
- Filtration will separate a soluble and insoluble substance.
- Water is the only solvent.

Solubility

Write a sentence to explain how temperature affects solubility.

Separation Techniques Test Yourself 3 Answers

Distillation

The apparatus below shows the apparatus to carry out distillation. Rearrange the sentences to explain how distillation works.

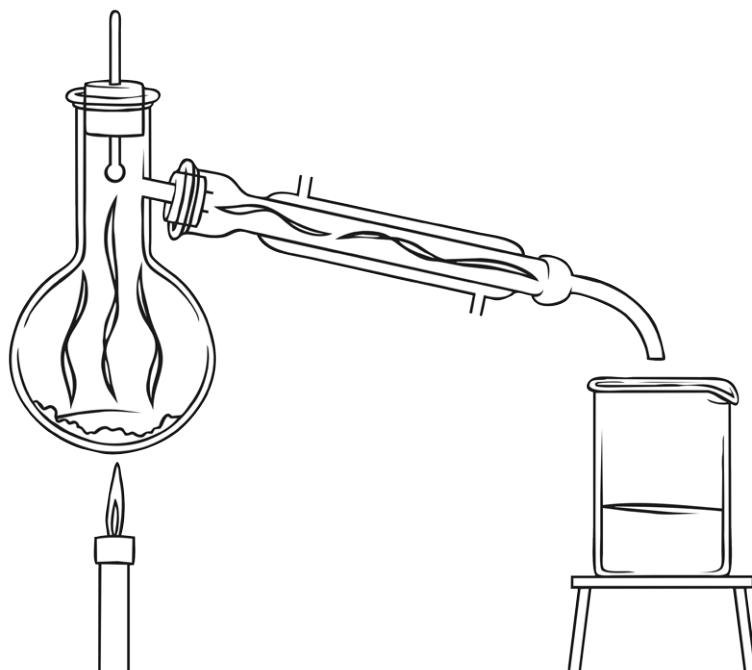
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As the steam travels along the condenser it cools down and forms a liquid.

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True or False?

State whether the following statements are true or false.

- Chromatography is used by forensic scientists. **True**
- When a substance dissolves, it is correct to say it disappears. **False**
- A saturated solution will not allow any more solute to dissolve in it. **True**
- Filtration will separate a soluble and insoluble substance. **True**
- Water is the only solvent. **False**

Solubility

Write a sentence to explain how temperature affects solubility.

Solubility increases with a temperature increase