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To ensure that you have learnt something from today's lesson, you are required to complete this quiz.

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1. 1

**What does the term 'solute' means?**

* + solid particles that are left behind after evaporation
  + solid particles that are left behind after filtration on the filter paper
  + the liquid that evaporates from a solution
  + the liquid that is collected at the end of distillation

1. 2

**What property does paper chromatography make use of to separate its components?**

* + absorption rate of the chemicals
  + the end product can be very pretty, with various colours on it
  + components of a liquid mixture will travel at different rates
  + a filter paper can be used
  + solubility of the solvent in the filter paper

1. 3

**Which apparatus are not needed for the set-up when separation by evaporation is used?**

* + wire gauze
  + solution
  + tripod stand
  + bunsen burner
  + filter paper

1. 4

**If I know the components of a mixture and the boiling points of the components, which is a possible way to isolate the components in the mixture?**

* + Make use of paper chromatography
  + Make use of fractional distillation
  + Make use of magnetic attraction
  + Make use of evaporation

1. 5

**In the lab, a scientist accidentally dropped a ball bearing into a beaker of hot water and wanted to get it out as soon as possible as the hot water will be used in an experiment. What can he do?**

* + Evaporate the hot water to get the ball bearing
  + Use a magnet to attract the ball bearing and get it out of the beaker
  + Use distillation to isolate the hot water.
  + Use paper chromatography

1. 6

**Distillation is not used to**

* + separate a mixture with solid impurities in a solution
  + separate a solvent from a solution
  + separate and identify the components of a mixture
  + separate a mixture of liquids in a solution

1. 7

**Which separation technique would be the best method to get clear water from a mixture of flour and water?**

* + Filtration
  + Chromatography
  + Distillation
  + Evaporation

1. 8

**What does the term 'filtrate' means?**

* + solid particles that decompose upon heating
  + the liquid that evaporates from a solution
  + solid particles that are left behind after filtration on the filter paper
  + the liquid that passes through the filter paper

1. 9

**When do we use evaporation to separate components?**

* + a solid-solid mixture when one of the components sublimes
  + a liquid-solid mixture when solid particles can be seen in the mixture
  + a solid-liquid mixture when solid particles are dissolved
  + a liquid-liquid mixture when one of the liquids has a lower boiling point

1. 10

**Which separation technique do you use to separate a magnetic substance from a non-magnetic substance?**

* + chromatography
  + filtration
  + evaporation
  + distillation
  + magnetic attraction

1. http://www.mgsrvr.com/e2bedd84feb2cb46c70d1b394120577d.png

**Which of these choices best describes you?**

* + I need to go to school and get my degree
  + I want some info on my health and tips on how to start taking better care of myself
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  + I like MythBusters!

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