



Name :	Date :	Teacher's sign :
Class :	Lesson : Science Daily Test	Parent's sign :

- During filtration, the solid that is trapped in the filter paper is called (A) and the liquid that has passed through the filter paper is called (B)
  - A : Residue ; B : Filtrate
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  - A : Residue ; B : Filterate
  - A : Filterate ; A : Residue
- Which of the following statements is **not true** about the image ?
  - The process is called filtration
  - A process known as sedimentation is important to make the separation possible.
  - The substance that passes through the filter paper is called the filtrate
  - This method is used to separate insoluble solids from liquid
- What is the basis for separating the components of a mixture through distillation ?
  - Freezing point of the substances
  - Room temperature
  - Decaying period
  - Boiling point of the substances
- What is the boiling point of water ?
  - 0°C
  - 80°C
  - 100°C
  - 95 °C
- Distillation is made up of \_\_\_\_\_
  - Evaporation, then condensation
  - Boiling, then condensation
  - Condensation, then evaporation
  - Condensation, then boiling

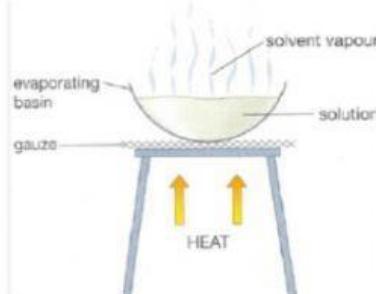




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6. What is collected at the end of the end of the evaporation separation technique?

- a. A soluble solid
- b. A remaining solid
- c. An insoluble solid
- d. A soluble liquid



7. How can we separate an insoluble solid from a liquid ?

- a. Chromatography
- b. Filtration
- c. Evaporation
- d. Condensation

8. A technique used to separate salt and water is \_\_\_\_\_

9. Crude oil can be separated into several liquids that have different boiling points. What is the name of this process? \_\_\_\_\_

10. Which method is usually used to separate coloured substances from each other? \_\_\_\_\_

11. In coffee machine, the ground coffee is separated from the coffee solution by using \_\_\_\_\_

12. Sulphur is not soluble in water. If accidentally, some Sulphur drops into a glass of water. Which separation techniques would you use to separate it from the water ?

13. You want to separate the components of a felt tip pen. What is the suitable separation technique ?

14. What method of separation would be most effective on the following mixtures :

- a. Seawater
- b. Gold nuggets in water
- c. A solution of alcohol (liquid) and water



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15. Distillation is a separation technique used to separate components of a l \_\_\_\_\_ mixture by process of h \_\_\_\_\_ and c \_\_\_\_\_ which each of the components.

Distillation procedure :

- 1) The round bottom flask contains the liquid mixture must be \_\_\_\_\_ to a boil.
- 2) The component with the \_\_\_\_\_ boiling point will evaporate first.
- 3) Upon contact with the water-cooled condenser, the \_\_\_\_\_ will condense
- 4) Trickle down into the graduated cylinder where the chemist can then recuperate the final distilled \_\_\_\_\_
- 5) The other \_\_\_\_\_ component remains in the round bottom flask (residue)

