



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 13.05.20

Duration: 40 min

Worksheet Solution 27

Full Marks: 15

ELEMENTS COMPOUNDS AND MIXTURES/SEPARATION OF MIXTURES

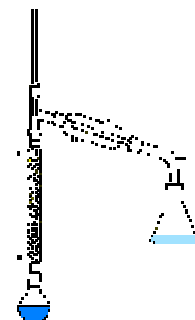
Choose the Correct options:

1 Which one of the following would you use to separate sand from iron filings?

- A. filter paper
- B. a distillation apparatus
- C. chromatography paper
- D. **a bar magnet**

2. The separation technique shown in the diagram is

- A. decanting
- B. **fractional distillation**
- A. chromatography
- B. filtration



3 In a coffee machine, the ground coffee is separated from the coffee solution by using

- A. **filter paper**
- B. tissue paper
- C. sand paper
- D. toilet paper



4. This is a simple method of separating an insoluble solid from a liquid.

- A. Distillation
- B. Evaporation
- C. Filtration
- D. **Decanting**

5. Liquids that do not mix may be separated by using

- A. a filter funnel
- B. **a separating funnel**
- C. an evaporating dish
- D. Liebig condenser



6. Miscible liquids that have different boiling points can be separated by

- A. chromatography
- B. decanting
- C. **distillation**
- D. filtration

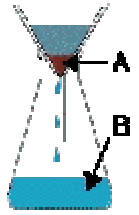
7. A magnet could be used to separate

- A. water and sand
- B. sand and salt
- C. colours in a food dye
- D. **sand and iron filings**



8. The diagram shows the apparatus for separating soil and water. What are the labelled parts?

- A. A = residue, B = distillate
- B. A = filtrate, B = residue
- C. A = distillate, B = filtrate
- D. A = residue, B = filtrate**

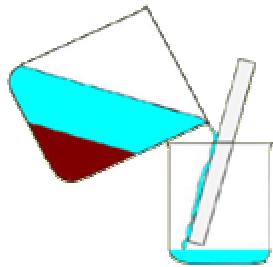


9. Which one of the following is a disadvantage of evaporation?

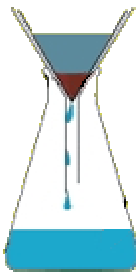
- A. It always requires heat
- B. All of the solute is recovered
- C. It cannot be used for insoluble solids
- D. The solvent is not recovered**

10. Which one of the following shows the separation technique of evaporation?

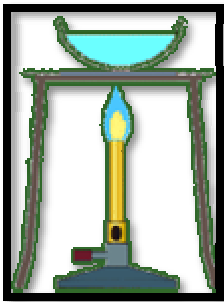
A.



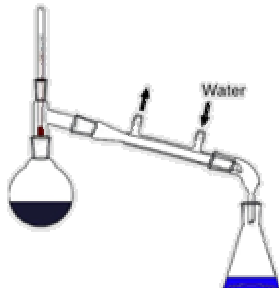
B.



C.

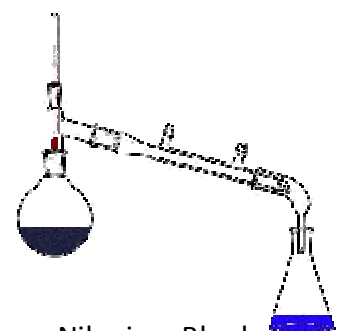


D.



11 Water and alcohol are easily separated by distillation because of their

- A. different densities
- B. different colours
- C. different melting points
- D. different boiling points**



NilanjanaBhadra



12. Dyes in water soluble markers may be separated by means of
- A. distillation
 - B. chromatography**
 - C. decanting
 - D. evaporation
13. Which one of the following methods is used to separate the colours in food dyes?
- A. sieving
 - B. evaporation
 - C. decanting
 - D. chromatography**
14. Which one of the following pairs of separation techniques will BOTH separate salt from a mixture of salt and water?
- A. Chromatography and evaporation
 - B. Decanting and distillation
 - C. Decanting and filtration
 - D. Distillation and evaporation**
- 15 Which one of the following is NOT a mixture?
- A. Crude oil
 - B. Air
 - C. Sugar**
 - D. Paint