



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 12.05.20

Duration: 40 min

Worksheet Solution 26

Full Marks: 15

ELEMENTS COMPOUNDS AND MIXTURES/SEPARATION OF MIXTURES

Choose the Correct options:

- Which of the following separation techniques is dependent on difference in volatility?
A . **Distillation**
B . Crystallization
C . Magnetic separation
D . Fractional crystallization
- Crystallization exploits difference in which factors ?
A . Specific heat
B . Boiling point
C . **Melting point**
D . Bubble point
- How a mixture of alcohol and water is be separated ?
A . distillation
B . **fractional distillation**
C . crystallization
D . Separating funnel
- How a mixture of iron and copper fillings is be separated ?
A . **Magnetic separation**
B . Crystallization
C . Evaporation
D . Distillation
- Which techniques should be used to get salt from a dry mixture of salt and sand?
A . **Dissolve the salt/s and mixture, filter the solution, re-crystallize the salt.**
B . Distillation.
C . Chromatography.
D . Filter the dry mixture, crystallize the salt.
- The process used to separate heterogeneous mixtures of solids and liquids is called _____.
A . **filtration**
B . crystallization
C . distillation
D . Chromatography
- _____ is a separation technique that uses the differences in boiling points of various substances to separate mixtures.
A . filtration
B . crystallization
C . **distillation**
D . chromatography

8. The formation of pure solid particles of a substance from a solution is called ____.
- A. filtration
 - B. crystallization**
 - C. distillation
 - D. chromatography
9. Suspensions are best separated by which process ?
- A. filtration**
 - B. crystallization
 - C. distillation
 - D. chromatography
10. Some solutions, such as salt water, are separated by which process ?
- A. filtration
 - B. crystallization
 - C. evaporation**
 - D. chromatography
11. Permanent marker ink is best separated by which process?
- A. filtration
 - B. crystallization
 - C. distillation
 - D. chromatography**
12. Rock candy is made by a separation process called ____.
- A. filtration
 - B. crystallization**
 - C. distillation
 - D. chromatography
13. When can filtration technique be used?
- A. To separate a solid from a liquid.**
 - B. To crystallize salt.
 - C. To separate two liquids.
 - D. To separate a mixture of different colored dyes.
14. During filtration, an insoluble solid collects on the filter paper. What is this called?
- A. Solute.
 - B. Solvent.
 - C. Filtrate.
 - D. Residue.**
15. During filtration, a liquid passes through the filter paper. What is this called?
- A. Solute.
 - B. Solvent.
 - C. Filtrate.**
 - D. Residue.