



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 12.05.20

Duration: 40 min

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