



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

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Duration: 40 min

Worksheet Solution 33

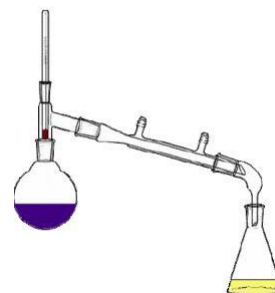
Full Marks: 15

ELEMENTS, COMPOUNDS AND MIXTURES/

COMPOUNDS

Choose the Correct options:

- Sand and gravel may be separated from each other through using..
a) **a filter funnel**
b) a sieve
c) an evaporating basin
d) a distillation
- Which of the following pairs of substances may best be separated through distillation
a) sand and soil
b) water and soil
c) salt and sand
d) **water and alcohol**
- Which one of the following techniques would best be used to separate soil and water?
a) **Decanting**
b) distillation
c) Filtration
d) Chromatography
- Which one of the following solids is insoluble in water?
a) sugar
b) **sand**
c) copper sulfate
d) salt
- Name the separation technique shown in the diagram.
a) evaporation
b) distillation
c) filtration
d) decanting
- Sodium chloride can be separated from rock salt by first adding water to the mixture to dissolve the sodium chloride. The separation then takes place in two stages:
a) evaporation followed by filtration
b) distillation followed by decanting
c) **filtration followed by evaporation**
d) filtration followed by decanting
- Liquids that do not mix may be separated by using..
a) an evaporating dish
b) **a separating funnel**
c) a loading
d) a sedimentation
- The separation technique that involves heating a solution until the liquid changes into a gaseous state, leaving behind a solid is known as
a) decanting
b) **evaporation**
c) loading
d) chromatography
- In the process of evaporation, which one of the following pieces of laboratory apparatus would NOT be used?
a) **filter funnel**
b) bunsen burner
c) evaporating basin
d) wire gauze



10. Which one of the following methods is used to separate the colours in food dyes?
- a) winnowing
 - b) Threshing
 - c) Crystallization
 - d) chromatography**
11. The separation technique shown in the diagram is
- a) fractional distillation**
 - b) centrifugation
 - c) filtration
 - d) chromatography
12. In a coffee machine, the ground coffee is separated from the coffee solution by using..
- a) sand paper
 - b) filter paper**
 - c) toilet paper
 - d) tissue paper
13. Solid particles which are left on filter paper while filtration is called
- a) filtrate
 - b) residue**
 - c) solvent
 - d) solute
14. Which one of the following would you use to separate sand from iron filings?
- a) a bar magnet**
 - b) filter paper
 - c) chromatography paper
 - d) alum
15. Water and alcohol are easily separated by distillation because of their
- a) different melting points
 - b) different colours
 - c) different densities
 - d) different boiling points**

