



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 05.07.21

Duration: 40 min

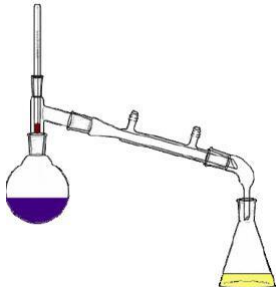
Worksheet 33

Full Marks: 15

## ELEMENTS, COMPOUNDS AND MIXTURES/

### COMPOUNDS

Choose the Correct options:

- Sand and gravel may be separated from each other through using..
  - a filter funnel
  - a sieve
  - an evaporating basin
  - a distillation
- Which of the following pairs of substances may best be separated through distillation
  - sand and soil
  - water and soil
  - salt and sand
  - water and alcohol
- Which one of the following techniques would best be used to separate soil and water?
  - Decanting
  - distillation
  - Filtration
  - Chromatography
- Which one of the following solids is insoluble in water?
  - sugar
  - sand
  - copper sulfate
  - salt
- Name the separation technique shown in the diagram.
  - evaporation
  - distillation
  - filtration
  - 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:
  - evaporation followed by filtration
  - distillation followed by decanting
  - filtration followed by evaporation
  - filtration followed by decanting
- Liquids that do not mix may be separated by using..
  - an evaporating dish
  - a separating funnel
  - a loading
  - 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
  - decanting
  - evaporation
  - loading
  - chromatography
- In the process of evaporation, which one of the following pieces of laboratory apparatus would NOT be used?
  - filter funnel
  - bunsen burner
  - evaporating basin
  - wire gauze

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

