



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 01.05.20

Duration: 40 min

Worksheet Solution 22

Full Marks: 15

## ELEMENTS COMPOUNDS AND MIXTURES/SEPARATION OF MIXTURES

Choose the Correct options:

- Separation of common salt from the sea water is by .....
  - sieving
  - evaporation**
  - magnetic separation
  - winnowing
- The method used to separate substances differing in colour, size and shape from a solid mixture .....
  - magnetic separation
  - decantation
  - handpicking**
  - sieving
- In a mixture, solids of different size can be separated by .....
  - magnetic separation
  - winnowing
  - sieving**
  - evaporation
- The method used to separate the seeds from the fruit juice is .....
  - filtration**
  - sieving
  - crystallization
  - winnowing
- Iron fillings present in rava and tea dust can be separated by .....
  - hand picking
  - magnetic separation**
  - sieving
  - evaporation
- The clear liquid above the sediment is called .....
  - suspended liquid
  - residue
  - supernatant liquid**
  - filtrate
- Which of the following is not used to separate the mixture of solid and liquid .....
  - Sieving**
  - Decantation
  - Sedimentation
  - Filtration
- Which of the following method is applied to remove the impurities such as bran, husk, stone and worms from flour .....
  - Sieving**
  - Hand picking
  - Filtration
  - Evaporation
- Which of the following is used to separate lighter particles from heavier particles .....
  - Evaporation
  - Hand picking
  - Winnowing**
  - Magnetic separation

10. Which of the following method is not used to separate soluble solids from solid-liquid mixture?
- a. **Decantation**
  - b. Evaporation
  - c. Condensation
  - d. Crystallisation
11. Which process is involved in the separation of sand and water?
- a. Decantation
  - b. Sedimentation
  - c. Filtration
  - d. **All the above**
12. The dust particles which remain on the filter paper is called .....
- a. anode mud
  - b. filtrate
  - c. supernatant liquid
  - d. **residue**
13. In evaporation process, the change that takes place is .....
- a. solid to vapour
  - b. vapour to solid
  - c. solid to liquid
  - d. **liquid to vapour**
14. By which method, salt is separated from sea water .....
- a. **Evaporation**
  - b. Sublimation
  - c. Condensation
  - d. Sedimentation
15. Suitable method to separate lighter impurities from a mixture .....
- a. **winnowing**
  - b. handpicking
  - c. evaporation
  - d. magnetic separation