



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 02.05.20

Duration: 40 min

Worksheet Solution 23

Full Marks: 15

ELEMENTS COMPOUNDS AND MIXTURES/SEPARATION OF MIXTURES

Choose the Correct options:

- Which is the suitable method to separate soluble solid from liquid

 - Crystallisation**
 - Sublimation
 - Sieving
 - Filtration

- Which method is involved in the preparation of sugar from sugarcane juice

 - Filtration
 - Evaporation
 - Crystallisation**
 - All the above

- Can a mixture be separated?

 - No
 - Yes**
 - Irrelevant
 - Sometimes

- A change that occurs without changing the chemical makeup is a

 - Chemical Change
 - Color change
 - Physical Change**
 - Substance Change

- A solution that contains a large amount of solute is best described as

 - Unsaturated
 - Concentrated**
 - Dilute
 - weak

- Which of these mixture types would have visible particles that could settle to the bottom of the mixture?

 - Suspension**
 - Solution
 - Colloids
 - alloy

- An element can be broken down into simpler substances by...

 - physical means
 - chemical means
 - Both chemical and physical means
 - elements can't be broken down**

- Which of these is NOT a pure substance?

 - Elements
 - Compounds
 - Mixtures**
 - they are all pure substances

- An example of a homogeneous mixture would be:

 - Salad
 - Perfume
 - Pizza
 - cheese mix**

13. Air is a mixture of
- a) Liquids
 - b) Gas**
 - c) Solids
 - d) liquids and gases
14. Which one of the following is NOT an example of a separation technique?
- a) boiling an egg**
 - b) fishing net
 - c) surgical mask
 - d) tea strainer
15. Which one of the following is a disadvantage of evaporation?
- a) It always requires heat
 - b) It cannot be used for insoluble solids
 - c) All of the solute is recovered
 - d) The solvent is not recovered**