



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



**Sub: Physical Science**

**Class: 8**

**Date: 28.04.20**

**Duration: 40 min**

**Worksheet 19**

**Full Marks: 15**

## ELEMENTS COMPOUNDS AND MIXTURES/COMPOUNDS

**Choose the Correct options:**

1. A compound can be separated into its constituents by
  - a. Filtration
  - b. Sublimation
  - c. Electrolysis
  - d. Distillation
  
2. Water is formed from the following elements
  - a. Hydrogen and Oxygen
  - b. Hydrogen and Chlorine
  - c. Hydrogen and Nitrogen
  - d. Oxygen and Carbon
  
3. Carbon dioxide is formed from the following elements
  - a. Hydrogen and Oxygen
  - b. Hydrogen and Carbon
  - c. Carbon and Nitrogen
  - d. Oxygen and Carbon
  
4. Sulphur dioxide is formed from the following elements
  - a. Hydrogen and Oxygen
  - b. Hydrogen and Sulphur
  - c. Sulphur and Nitrogen
  - d. Oxygen and Sulphur
  
5. Sugar is formed from the following elements
  - a. Hydrogen, Carbon and Oxygen
  - b. Hydrogen, Carbon and Chlorine
  - c. Hydrogen, Chlorine and Nitrogen
  - d. Oxygen, Nitrogen and Carbon
  
6. . Chalk is formed from the following elements
  - a. Oxygen, Carbon and Calcium
  - b. Calcium, Carbon and Chlorine
  - c. Calcium, Chlorine and Oxygen
  - d. Oxygen, Nitrogen and Calcium

7. Pure water is a \_\_\_\_\_ conductor of electricity
- Good
  - Bad
  - Semi-
  - None of these
8. Acidulated water is a \_\_\_\_\_ conductor of electricity
- Good
  - Bad
  - Semi-
  - None of these
9. Acids used in the electrolysis of water are
- Hydrochloric acid
  - Sulphuric acid
  - Nitric acid
  - Both a and b
10. After the electrolysis of water hydrogen is obtained at which electrode?
- Cathode
  - Anode
  - Node
  - Nodules
11. Calcium carbonate shows thermal decomposition to liberate
- Carbon dioxide
  - Calcium oxide
  - Calcium Carbide
  - None of these
12. Lead nitrate shows thermal decomposition to liberate oxygen and
- Nitrogen oxide
  - Nitric oxide
  - Nitrous oxide
  - Nitrogen

13. During electrolysis of water hydrogen and oxygen are obtained in the ratio
- 1:2
  - 2:3
  - 3:2
  - 2:1
14. The positive electrode gains its name from the fact
- Anions are attracted towards it
  - Cations are liberated from it
  - Cations are attracted towards it
  - Anions are liberated from it
15. The vessel in which electrolysis of water takes place is called
- Trough
  - Beaker
  - Voltmeter
  - Voltmeter