



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 28.04.20

Duration: 40 min

Worksheet Solution 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

- a. 1:2
- b. 2:3
- c. 3:2
- d. **2:1**

14. The positive electrode gains its name from the fact

- a. **Anions are attracted towards it**
- b. Cations are liberated from it
- c. Cations are attracted towards it
- d. Anions are liberated from it

15. The vessel in which electrolysis of water takes place is called

- a. Trough
- b. Beaker
- c. Voltmeter
- d. **Voltmeter**