



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 19.06.21

Duration: 40 min

Worksheet Solution 28

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 gaseous
- Carbon dioxide**
 - Calcium oxide
 - Calcium Carbide
 - None of these
12. Lead nitrate shows thermal decomposition to liberate oxygen and
- Nitrogen dioxide**
 - 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**