



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 24.06.20

Duration: 40 min

Worksheet Solution 46

Full Marks: 15

HYDROGEN

Choose the Correct options:

1. Atomic no. of Hydrogen is
 - (a) **1**
 - (b) 2
 - (c) 3
2. Hydrogen was first prepared by
 - (a) Rupert
 - (b) **Robert Boyle**
 - (c) Dalton
3. _____ names / coined the term Hydrogen.
 - (a) Robert Boyle
 - (b) Dalton
 - (c) **Lavoisier**
4. During electrolysis of water, hydrogen is collected at
 - (a) anode
 - (b) **cathode**
 - (c) positive electrode
5. _____ electrodes are used during electrolysis of water.
 - (a) **Graphite**
 - (b) Copper
 - (c) Mercury
6. During electrolysis of water oxygen is collected at
 - (a) **anode**
 - (b) cathode
 - (c) none
7. Current enters the electrolyte through the
 - (a) cathode
 - (b) **anode**
 - (c) none
8. Current leaves the electrolyte through the
 - (a) **cathode**
 - (b) anode
 - (c) none

9. Passing electric current through aqueous solution/ molten state to form ions
(a) electrolysis
(b) electrolyte
(c) non electrolyte
10. _____ is connected to the positive terminal of the battery.
(a) cathode
(b) anode
(c) none
11. During electrolysis anion migrate towards
(a) cathode
(b) anode
(c) none
12. Can't react with dilute acids to liberate hydrogen
(a) Copper
(b) Mercury
(c) copper, mercury and silver
13. A displacement reaction will occur when...
(a) a more reactive metal displaces a less reactive metal from its compound.
(b) A less reactive metal displaces a more reactive metal from its compound
(c) Displacement only occurs when two of the same metals are reacted
14. Who can displace Hydrogen from dilute acid
(a) Mercury
(b) Calcium
(c) Gold
15. What gas is always produced when a metal reacts with water?
(a) Oxygen
(b) Carbon dioxide
(c) Hydrogen