



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 27.06.20

Duration: 40 min

Worksheet Solution 49

Full Marks: 15

HYDROGEN

Choose the Correct options:

1. What is not the function of a catalyst?
 - a. Speeds a process
 - b. Makes the process run at less temperature
 - c. Changes colour with the progress of reaction**
2. Name the process used for the manufacture of ammonia.
 - a. Bosch process
 - b. Haber's Process**
 - c. Oswald's process
3. What is the chief use of ammonia?
 - a. Cleaning liquid
 - b. Manufacture of nitrogenous fertilizers**
 - c. As cold medication
4. Name a catalyst used in the hydrogenation of oil.
 - a. Nickel**
 - b. Cobalt
 - c. Iron
5. Burning of hydrogen is a/an _____ process
 - a. Endothermic
 - b. Exothermic**
 - c. Reversible
6. Hydrogen is clean fuel because
 - a. It produces water on burning
 - b. It is a non-carbon based fuel
 - c. Both**
7. Which substance produces maximum heat on burning
 - a. Acetylene
 - b. Diesel
 - c. Hydrogen**
8. What is used as a rocket fuel?
 - a. Hydrogen**
 - b. Helium
 - c. Carbon
9. What is the temperature of the oxyhydrogen flame?
 - a. 2800 °C**
 - b. 2200 °C
 - c. 1850 °C
 - d. 3250 °C
10. What is the purpose of oxyhydrogen flame?
 - a. Welding
 - b. Cutting metals
 - c. Both**

11. What is the test for hydrogen?
 - a. Rekindles glowing matchstick
 - b. Snuffs out a burning matchstick
 - c. Snuffs out a matchstick with a pop sound**
12. Which of the following is used as a reducing agent?
 - a. Nitric acid
 - b. Fluorine
 - c. Hydrogen**
13. How many people were killed in the Hindenberg incident?
 - a. 100
 - b. 50
 - c. 36**
14. Which gas is preferred in weather balloons nowadays?
 - a. Hydrogen
 - b. Helium**
 - c. Neon
15. Name the catalyst used in Haber's process
 - a. Iron**
 - b. Molybdenum
 - c. Nitrogen