



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



**Sub: Physical Science**

**Class: 8**

**Date: 27.06.20**

**Duration: 40 min**

**Worksheet 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