



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 26.06.20

Duration: 40 min

Worksheet Solutions 48

Full Marks: 15

HYDROGEN

Choose the Correct options:

- Name the lightest known element.
 - Hydrogen**
 - Helium
 - Lithium
- Hydrogen chloride gas dissolves in water to give
 - Hydrochlorous acid
 - Hydrochloric acid**
 - Both
- Hydrogen reacts with sulphur in which state
 - Solution
 - Molten**
 - Crystalline
- Reaction of hydrogen and nitrogen is
 - A reversible reaction**
 - A double displacement reaction
 - Neutralisation reaction
- The catalyst in the reaction of hydrogen to form ammonia from nitrogen is
 - Iron**
 - Molybdenum
 - Copper
- Hydrogen reduces zinc oxides to form
 - Acid
 - Vapour
 - Water**
- Hydrogen does not reduce the oxide of
 - Calcium
 - Magnesium
 - Both**
- In a reduction reaction
 - Hydrogen is added
 - Oxygen is removed
 - Both**
- Nitric acid is an example of
 - Oxidising agent**
 - Reducing agent
 - Alkali
- Hydrogen burns in
 - Chlorine
 - Oxygen
 - Both**
- Hydrogen sulphide has the smell of
 - Burnt matchsticks
 - Rotten eggs**
 - Fruity smell

12. A mixture of hydrogen and chlorine explodes in the presence of
- Sunlight**
 - Iron
 - Vanadium pentoxide
13. What is the temperature at which ammonia is formed
- 200 degree centigrade
 - 500 degree centigrade**
 - 350 degree centigrade
14. What is the pressure at which ammonia is formed
- 200 atmos.**
 - 500 atmos.
 - 350 atmos.
15. Which of the following is a reducing agent
- Hydrogen
 - Activated charcoal
 - Both**