

L-6**Physical And Chemical Changes**

Q.1 Fill in the blanks :

1. Photosynthesis is a _____ change.
2. The micro-organisms which convert the dead plants and animals to humus are known as _____.
3. The freezing point is ____°C at which water freezes.
4. Lactobacillus bacterium helps in the formation of _____.
5. Galvanization is the process of coating iron objects with the layer of _____ metal.

Q.2 Correct the following sentences by replacing the highlighted words :

1. Change in the physical properties of a substance is termed as **chemical** change.

Ans. _____

2. **Boiling** is the process in which water turns to ice when cold enough (below 0°C temperature.)

Ans. _____

3. Formation of new substances by change in one or more substances is called **physical** change.

Ans. _____

4. The process of deposition of brownish layer on iron when it is exposed to air and water is called **polishing**.

Ans. _____

5. **Melting** is the process of formation of solid crystals from solution.

Ans. _____

Q.3. Match the following :

Column I

1. Iron (Fe)+ Oxygen (O₂, from air)+ water (H₂O)

Column II

- a. Baking Soda

- | | |
|--|--|
| 2. $\text{MgO} + \text{H}_2\text{O} \rightarrow$
3. Sodium Hydrogen Carbonate (NaHCO_3)
4. Copper Sulphate Pentahydrate ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$) | b. Blue Vitriol / CuSO_4
Copper sulphate
c. $\text{Mg}(\text{OH})_2$
d. Rust (Iron Oxide)
Fe_2O_3 |
|--|--|

Answer :

1.	
2.	
3.	
4	

Q.4 Answer the multiple choice questions :

1. Properties which are affected during physical change :
 - a. Colour
 - b. Shape
 - c. Size
 - d. All of the above
2. Which of the following is not an example of crystallization :
 - a. Salt obtained from sea water
 - b. Snow flakes formation
 - c. Crystallization of sugar from sugar syrup.
 - d. Rusting of iron.
3. Example of chemical change is :
 - a. Dissolving sugar in water
 - b. Formation of clouds
 - c. Cooking of food
 - d. Cutting of trees
4. Which of the following can accompany a chemical change :
 - a. Heat
 - b. Sound
 - c. Gas
 - d. All of the above
5. Which of the following is an alloy :
 - a. Copper
 - b. Steel
 - c. Zinc
 - d. Aluminium