

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



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