

Chapter-2

PHYSICAL AND CHEMICAL CHANGES

I. VERY SHORT ANSWER TYPE QUESTIONS (1 MARK)

Name the following

1. The product obtained during 'photosynthesis' - which is a chemical change.
2. The term involved in the change of state from - 'water to ice' - which is a physical change.
3. The final product of the physical change involved during 'melting of a piece of wax'
4. The type of change i.e. physical or chemical involved - 'during respiration in human beings.'
5. The type of change i.e. physical or chemical involved - 'when a substance undergoes a change in state, colour or size.

1. Fill in the blanks

1. Sublimation is _____ a change of state of matter.
2. Sublimation involves a _____ change.
3. During sublimation, a solid on heating turns directly into _____ and on cooling back to _____
4. Ammonium chloride, a sublimable solid undergoes _____ on heating.
5. Sublimation of iodine is an example of _____ change.

SHORT ANSWER TYPE QUESTIONS (2 MARKS)

1. State the observation seen when milk in a dish is kept aside for a few hours or more. Is the change which occurs - a physical change or a chemical change. Give reasons.
2. State the observation seen when milk in a dish is kept aside for a few hours or more. Is the change which occurs - a physical change or a chemical change. Give reasons.

SHORT ANSWER TYPE QUESTIONS (3 MARKS)

1. Differentiate between a physical change and a chemical change with reference to -
 - a) Nature of change i.e. temporary and reversible or permanent and irreversible.
 - b) Formation of products.
 - c) Energy change taking place during the respective change.
2. State what is meant by the term - interconversion of matter. Is interconversion of matter a physical change or a chemical change. Explain

LONG ANSWER TYPE QUESTIONS (5 MARKS)

Change is the law of nature and occurs in our everyday life, at all times and in all places.

Differentiate between the following changes with a suitable example.

- a) Desirable and undesirable change
 - b) Periodic and non-periodic change
 - c) Slow and fast change
 - d) Natural and man-made change
 - e) Reversible and irreversible change.
-

