

Matter

Marks : 30

Time : 1 hr

1. Fill in the blanks

1×5=5

- Two or more atoms of the same or different elements constitute _____.
- The kinetic energy of a molecule is due to _____.
- The process in which solid substances changes into liquid on heating is called _____.
- The boiling point of water is _____.
- _____ is the reverse of process of sublimation.

2. Write True or False

$\frac{1}{2} \times 8 = 4$

- The particles of solid have minimum kinetic energy.
- The smallest unit of an element that always takes part in a chemical reaction is called Molecule.
- The average kinetic energy of the molecule is directly proportional to the temperature of the substances.
- The space between two molecules is called intramolecular space.
- Intermolecular force is directly proportional to the Intermolecular Space.
- The space between the molecules of gas is very less.
- The temperature at which a solid substance melt and changes into a liquid at atmospheric pressure called Melting Point.
- The process of changing gas to a liquid by cooling, is called Deposition.

3. Short answer type question

1×7=7

- What is freezing?
- Define Intermolecular force of attraction.
- Why the solid has a fixed shape?
- What is Boiling Point?
- Why liquid can flow easily?
- Why gas can compress easily?
- What is Vaporization?

4. Answer briefly

2×7=14

- Why a solid does not fill its container completely?
- "A solid cannot be compressed much. But we can compress easily sponge." Is the Sponge solid or not? Explain.
- Write six characteristics of liquid.
- Write five differences between solid, liquid and gas.
- Describe how liquid changes to gases on heating?
- Write five difference between Sublimation and Deposition.
- How freezing process happens?