

## Class 8: Chemistry Worksheet (Chapter -1)

### *Matter and its Composition*

#### **Synopsis:**

Matter is anything that occupies space, has mass and can be perceived by our senses.

The three states of matter are solid, liquid and gas.

All matter is made up of very small particles called molecules (atoms or ions).

Molecules of a substance are attracted towards each other by a force of attraction called intermolecular force of attraction.

Molecules of a similar type exert the force of cohesion. It is maximum in solids, less in liquids and least in gases.

Molecules of different kinds exert the force of adhesion.

On heating, intermolecular space between the molecules increases and the intermolecular force of attraction decreases.

Melting, freezing, boiling, condensation, sublimation and deposition are the different processes involved in the change of state of matter.

#### I. *Unscramble the following words:*

TAMTER, DIULIQ, NIFDFOSUI, TNKIEIC, LCLMOEUE.

#### II. *Identify the state of matter:*

1. No fixed shape but fixed volume-
2. Can be compressed easily-
3. Have fixed shape and volume-
4. Have maximum density-
5. Maximum kinetic energy-

#### III. *Fill in the blanks:*

1. The intermolecular spaces are \_\_\_\_\_ in solids.
2. Liquids and gases are called \_\_\_\_\_.
3. Liquids expand on \_\_\_\_\_.
4. The conversion of solid to liquid is called \_\_\_\_\_.
5. The conversion of solid to gas is called \_\_\_\_\_.

#### IV. *Match the following:*

##### Column A

1. Liquid and gases are
2. Molecules are in
3. Liquids can be
4. Solids have
5. Liquid to vapour

##### Column B

- a) random motion
- b) fluid states
- c) evaporation
- d) compressed slightly
- e) highest density

#### V. *Pg-18 worksheet questions I,II,III.*

*Pg- 24 Questions B,C,D,E.*

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