

Class : VI

Subject : Physics

Chapter : 1(Matter)

Follow page number 1 to 4 from textbook

Points to be read thoroughly :-

- **Matter** : Definition of matter, element and atom.
- **Molecules** :1) Definition of molecules
2) Characteristics of molecules

Read the information given within the “Enlighten your mind” box, green coloured box and “Know your scientist” box from your text book.

WORKSHEET

Fill in the blanks :

- 1..... is the substance which occupies space and has mass.
- 2..... theory helps us to explain the behaviour of matter in terms of the motions of its constituent particles.
- 3.The size of the molecules is of the order of to metre.
4. Molecules are never at rest,they are in constant motion.

Write 'T' for true statements and 'F' for false statements. Correct the false statements.

- 1.Molecule is the smallest unit of an element.
- 2.Molecules are made of a combination of similar atoms only.
- 3.Molecules of a material always attract each other.

4. Intermolecular force of attraction is same for all type of materials.

Define :

1. Atom 2. Molecule 3. Element

Give reasons :

1. Molecules cannot be seen with naked eyes.
2. When we spray perfume at one corner of the room, we can smell its fragrance in the entire room.
3. When you empty a glass of water, you will see some drops still sticking to the glass surface.
4. Different types of glues are called adhesives.

Answer the following questions :

1. What is intermolecular distance?
2. What do you mean by intermolecular force of attraction?
3. Differentiate force of cohesion and force of adhesion.