

GIRLS' HIGH SCHOOL AND COLLEGE Prayagraj

WORKSHEET 1

CHEMISTRY

CLASS: 8th A, B, C, D, E.

Year 2020-21

Chapter 1: MATTER

Note: Parents, please ensure that the child refer the chapter "Matter" from any I.C.S.E. class 8th chemistry book or from internet.

Read the passage given below and answer the given questions.

KINETIC THEORY OF MATTER

1. Matter is made up of tiny particles called molecules.
2. The particles in a solid are rigidly held in positions about which they vibrate.
3. The particles in liquids and gases are in constant motion.
4. The collisions between the particles in a liquid are responsible for the formation of vapour.
5. The collisions of the particles with the walls of the vessels are responsible for the pressure of a gas.
6. The particles comprising matter possess kinetic energy. (KE)
7. The kinetic energy of the particles increases with rising temperature and decreases when the temperature is lowered.

Attempt the following questions.

Choose the correct option

- 1) Among ice, water and water vapour, the intermolecular force is the _____ in the water vapour. (*weakest/ strongest*)
- 2) A gas is compressed easily because of its..... intermolecular space. (*large/small*)
- 3) The intermolecular space in a substance _____ with increasing intermolecular force. (*increases/decreases*)
- 4) The particles in a _____ are rigidly held in positions. (*liquid/solid*)
- 5) The kinetic energy of the particle _____ on cooling. (*decreases/increases*)

Short answer questions

- Q.1. What is matter made up of?
- Q.2. What will happen to the kinetic energy of a particle if it is heated?
- Q.3. What gives rise to the pressure of gases?
- Q.4. What is responsible for the formation of vapour?

Long question

- Q.1. State four points of kinetic theory of matter.

1/1 End