

Board – ICSE

Class – 8th

Topic – Matter

1. Differentiate between the following.
 1. Solids and liquids on the basis of arrangement of molecules.
 2. Evaporation and Boiling
2. State five important points of kinetic theory of matter.
3. On the basis of kinetic theory of matter explain.
 - (a) Why the solids have a definite volume and definite shape?
 - (b) Why the liquids have a definite volume but no definite shape?
 - (c) Why the gases have no definite volume and no definite shape?
4. Gases exert pressure. Explain on the basis of kinetic model.
5. Solids get heated by conduction. Explain conduction on the basis of kinetic model of matter.
6. State three properties of molecules of matter.
7. Why in hot summer days water remains cool in earthen pots.
8. Fluids get heated by convection. Explain convection on the basis of kinetic model of matter.
9.
 - (a) What do you understand by the term surface tension?
 - (b) Name the force responsible for surface tension.
 - (c) Why does a small amount of mercury on placing over a glass plate form a spherical ball?
 - (d) Why does a small amount of water on placing over a glass plate form an oval shaped drop?
10. What is evaporation? State three factors which affect the rate of evaporation of a liquid.
11. Give two application ion of evaporation.
12. What do you understand by the change of state? Write the flow chart showing the complete cycle of change of state.
13. Why are volatile liquids such as alcohol and spirit stored in tightly closed bottles?
14. Describe the terms melting and melting point.
15. State (a)the melting point of ice and (b)the boiling point of water.