

EXCERSICE

Practice. Perform. Succeed

Sub : Science

Grade: IX

Date:

Name:

ID No.....

State whether the following statements are True or False:

1. Solids do not have a fixed shape but have fixed volume. _____
2. Liquids have fixed volume but they lack a definite shape. _____
3. Intermolecular forces between particles are very less in solids. _____
4. In liquids, the intermolecular forces are strong but not enough to keep them together in a fixed position. _____
5. In gases, intermolecular forces are very weak and hence, constituent particles are free to move. _____
6. When a solid changes its state to a gas without passing through the liquid state, the change of state is known as sublimation. _____
7. In evaporation, a liquid changes into its vapour form at temperature below its boiling point. _____
8. The latent heat of fusion of ice is 334 kJ kg^{-1} . _____
9. The intermixing of the particles of two or more substances on their own is called diffusion. _____
10. The force of cohesion is responsible for attraction between particles in any matter. _____