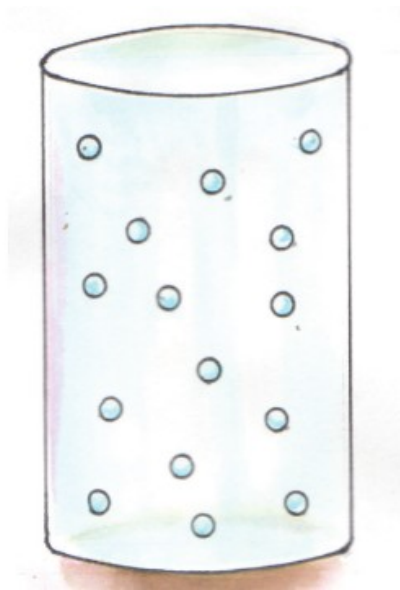


SSLC Chemistry- Class-10

Gas Laws and Mole Concept

Properties of gas molecules



Energy of gas molecules are very high.

Distance between the molecules -very high

Freedom of movement of molecules very high

Attractive force between molecules are very low

Volume of a gas

Volume of a gas is the volume of the container which it occupies

Pressure of a Gas

Force exerted per unit area is called pressure.

Temperature

Temperature is the average kinetic energy of molecules in a substance.

Questions

1. Energy of the gas molecules arewhen compared to solids and liquids.

(very low, very high , equal)

2. Which is the energy gained due to the movement of the molecules?

(Potential energy, Kinetic energy , Chemical energy)

3). If a gas which is kept in a cylinder having a volume of 5 litre is completely transferred in to another 20 litre cylinder . what will be the volume of the gas ?

4. Write a short note on volume and pressure of a gas.
