

H.W  
19.07.21

## Ex-II

1. Name the Smallest Particle from which matter is made up of.

A: The atom is a Smallest Particle from which matter is made up of.

8. Give reasons:

a) Liquids and gases flow but Solids don't.

A: Due to the large intermolecular forces, the intermolecular attractions are very less and thus liquids and gases can flow. On the other hand, Solids have very less intermolecular spaces. The intermolecular forces are high giving them a definite shape and making it rigid. Thus Solids don't flow.

b) A gas fills up the space ~~but~~ available to it.

A: Intermolecular force of attraction is least and intermolecular spaces are very large, hence gases can fill up the space available to them.

c) The odour of Scent Spreads in a room. Its Molecules of the Scent fill the spaces between air molecules and the molecules of air fill the spaces between Scent molecules due to diffusion. So, the odour of the Scent spreads in the room.

Q9. Define:-

a) Cohesive Force :- The Force of attraction between the molecules of the same substance is called cohesive force.

b) Diffusion :- Diffusion is the net movement of anything from a region of higher concentration to a region of lower concentration.

c) Brownian movement :- a random movement of microscopic particles suspended in liquids or gases resulting from the impact of molecules of the surrounding medium is called Brownian movement.