

Chemistry
Revision

AI. By adding pressure and reducing temperature, gases can be liquified. When pressure on a gas increases the molecules get closer together.

AA. The process by which solids directly changes into its gaseous state is called sublimation. Yes ex:- Dry ice, Camphor etc.

Q3: ans a) Hence ~~in~~ the molecules of solids are very closely packed and they have very less fluidity solids cannot flow.

ans b) Due to the high pressure inside the bottle the egg is kicked out of the bottle.

ans c) Gases can flow freely and they have high fluidity the odour of the scent spreads in a room.

ans d) The molecules in air are very loosely packed. ~~hence~~ so, when we walk, the molecules gets tightly packed hence we can walk through air.

ans e) The molecules of liquid are less closely packed as compared to solid and liquids don't have definite shape but as they take the shape of the container where it is contained hence it has definite volume.

ans f) The molecules of a substance have spaces between them hence the ^{particles} ~~molecules~~ of sugar has taken the spaces between the molecules of water hence the water level didn't increase a bit.

ans g) The gas spreads in the empty jar because gases do not have definite shape, size, mass, volume and they ~~do~~ ^{have} high fluidity and hence spreads in the whole glass jar.

ans h) Due to diffusion the particles of the ink spreads slowly in water hence the water turns red in some time.