

Exercise

Q1) Name the smallest particle from which matter is made up of.
ans- Atom is the smallest particle from which matter is made up of.

Q2) Give reasons :

a) Liquids and gases flow but solids do not.
ans- ~~Liquids~~ The intermolecular force of attraction is greatest in solids, whereas the intermolecular force of attraction is lesser in liquid as compared to solid and intermolecular force of attraction is least in gas. So for that reason liquids and gases flow but solids do not.

b) A gas fills up the space available to it.
ans- The molecules of gases lie far apart from each other and the intermolecular space is very large. Therefore, gases do not have a neither fixed shape nor a fixed volume. They completely fill up the space available to them.

c) The odour of scent spreads in a room.
ans- The odour of scent spreads in a room because the ~~of~~ particles of gas ~~or~~ is in random motion.

Define :

a) Cohesive force :-

ans- The force of attraction between like molecules is called cohesive force.

b) Diffusion :-

ans- The phenomenon of intermixing of particles in one kind with ~~of~~ another kind is called diffusion.

c) Brownian Movement :-

ani- The zig-zag motion of particles is called Brownian movement.

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