

Chapter - 1

MATTER IN OUR SURROUNDINGS

→ What is Matter?

- * Matter is made up of small particles.
- * We can either see it, touch it, feel it or taste it, or all.
- * For a long time, two schools of thought prevailed regarding the nature of matter.

One school believed matter to be continuous like a block of wood whereas, the other thought that matter was made up of particles like sand.

→ What are characteristics Of Particles Matter ?

- * Particles of matter have spaces between them.
- * Particles of Matter are continuously moving:-
- Particles of matter are continuously moving, that is, they possess what we call the Kinetic Energy.
- As the temperature rises, particles move faster.



Solid :-

- ♦ Have a definite shape, distinct boundaries and fixed volumes, that is, have negligible compressibility.
- ♦ Solids have a tendency to maintain their shape when subjected to outside force.
- ♦ Solids may break under force but it is difficult to change their shape, so they are rigid.



Liquid

- ♦ Have a definite shape, distinct boundaries and fixed volume that is have negligible compressibility.
- ♦ Solid have a tendency to maintain their shape when subject to out side force .
- ♦ Solids may break under force but it is difficult to change their shape, so they are rigid .

