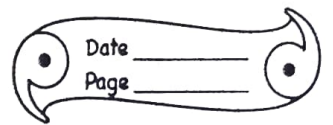


HW  
10/7/21

## Ch-3 Matter



- Q1) List all the characteristics of particles of matter.
- Q2) Give any two examples to prove the particles of matter attract each other.
- Q3) Write any 5 point of difference in properties of solids, liquids and gas.

### Answers

Q1) Particles of matter are held together by a force called intermolecular force of attraction.

- The force of attraction is known as cohesion.
- Particles are always in random motion. They possess kinetic energy.
- They have intermolecular space between them.

Q2) It is easy to break chalk into pieces but it is difficult to break coal.

It is easy to move our hand through water but it is difficult to do in glycerine.

SOLIDS	LIQUIDS	GAS
• Rigid	• No definite shape.	• No definite volume.
• Have definite volume	• Definite volume.	• No definite shape.
• Retain the shape	• Take the shape of container.	• Can flow in any direction.
• Have any number of free surface.	• Almost incompressible.	• Can be compressed.
• Almost incompressible	• Only have one free surface.	• Gases exert equal pressure in any direction.