

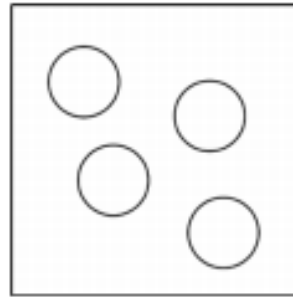


Particle Properties

State	Particle Arrangement	Particle Properties	Material Properties

solid

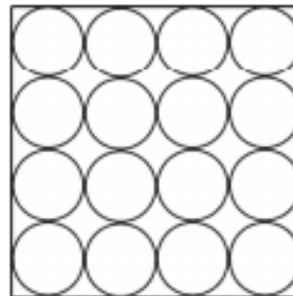
Particles are close together but random. They can move over each other.



Keeps its shape unless a force is applied to it.
Remains the same volume.

liquid

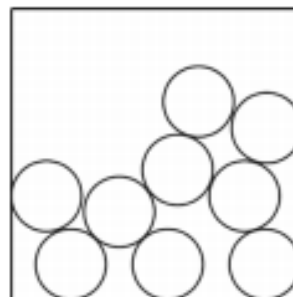
Particles are spread out and can move about quickly in all directions.



Does not keep its shape.
Can spread out to fill the space it is in.

gas

Particles are closely packed in a regular pattern. They vibrate on the spot.



Takes the shape of the container it is in.
Stays the same volume.