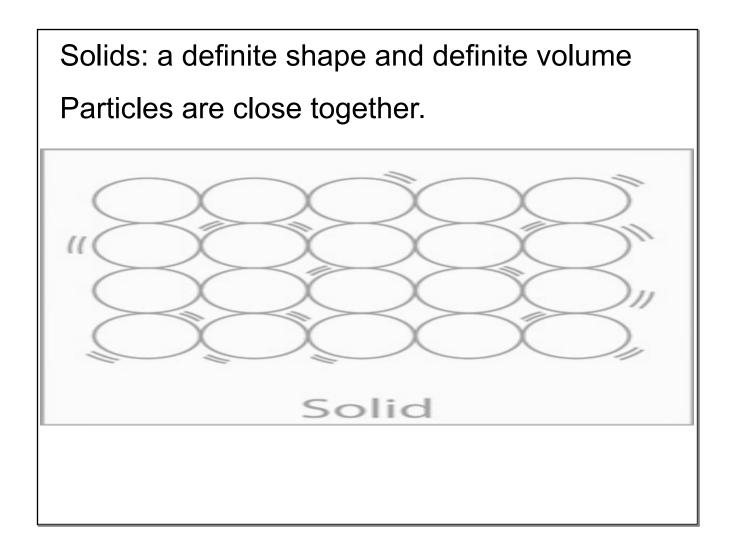
Matter exists in 4 phases.

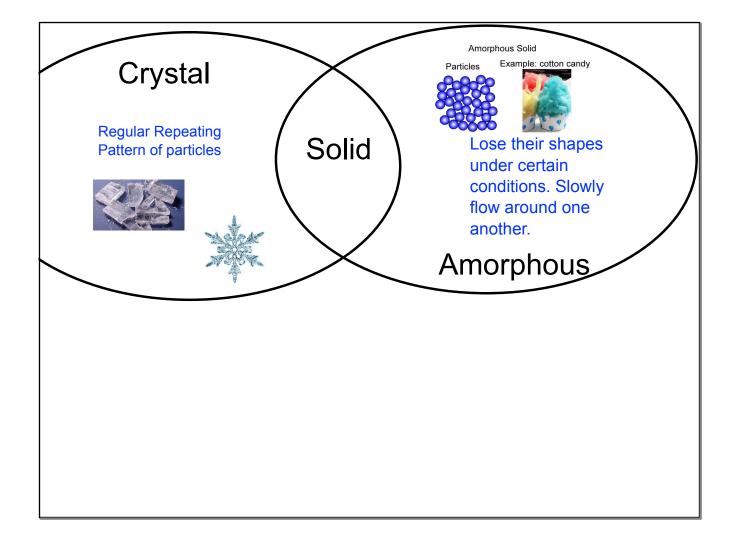
- 1. Solid
- 2. Liquid
- 3. Gas
- 4. Plasma

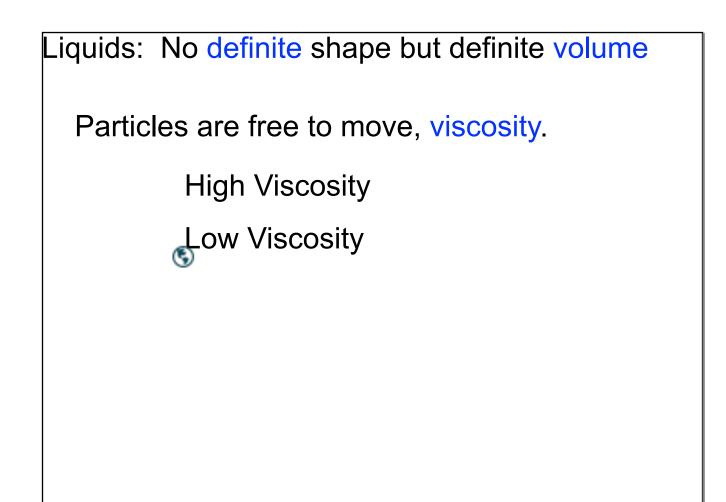




Picnic with Particles





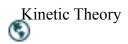


Gases: No definite shape and no definite volume.

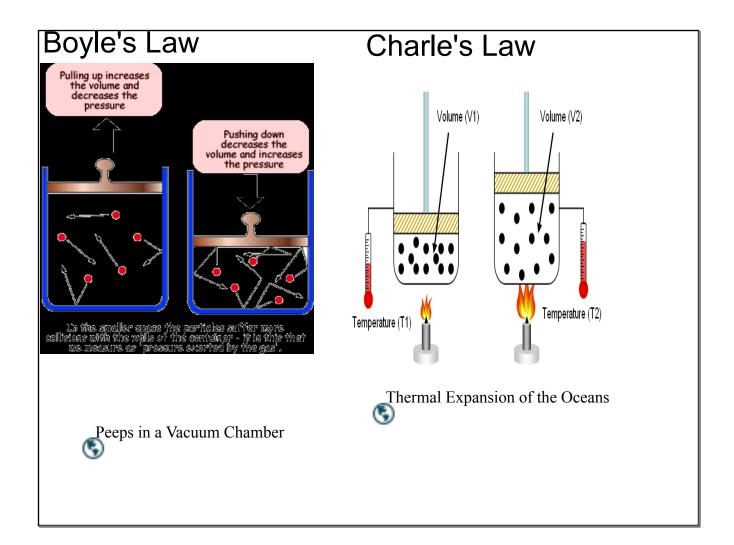
Gases can diffuse to fill its container.

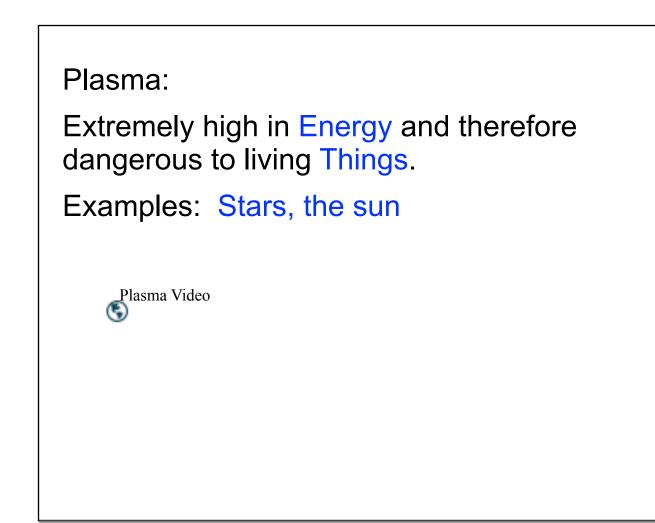
Gases react differently with temperature and pressure. They form the Gas Laws

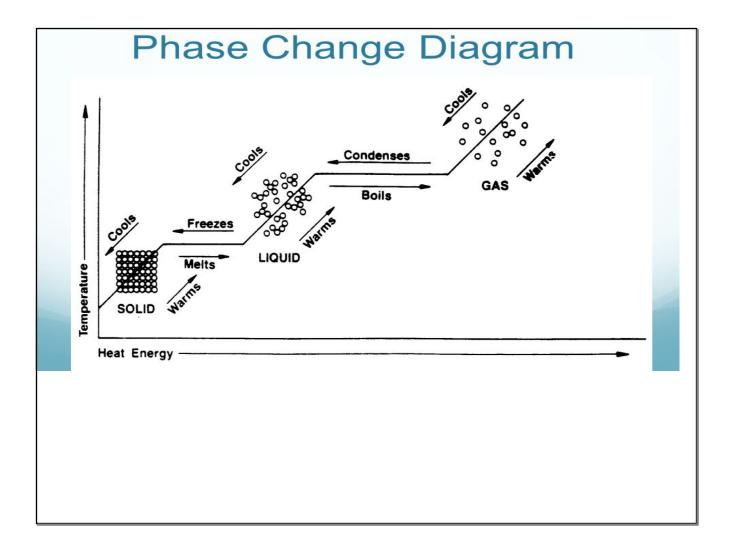
Gas Laws: Boyle's Law: Increase the pressure of the gas, the volume willdecrease. Charles's Law: Increase the temperature and the volume willincrease.



Avogadro's Law: the amount or number of particles, of a gas is equal to its volume. Equal volumes of gases at the same temperature and pressure contain equal numbers of particles.







<u>Physical Property:</u> Characteristic that distinguishes one type of matter from another and can be observed without changing the identity of the substance.

<u>Chemical Property:</u> Describes how a substance changes into a new substance.

Picnic with Particles

