

Vocabulary

Mixture made up of different parts

Solution type of mixture where you can't see difference b/w parts, not easily separated

Homogenous same throughout, can't see parts (smoothie)

Heterogenous see all parts (ex. trail mix)

Endothermic change happens when energy is absorbed

Exothermic change happens when energy is released

Volume amount of space matter occupies

Density mass of material in a given volume $D = \frac{\text{Mass}}{\text{Volume}}$

Mass measurement of the amount of matter in an object.

Sublimation particles pass directly from solid to gas

Evaporation change in state from liquid to gas

Condensation change in state from gas to liquid

Melting change in state from solid to liquid

Viscosity liquid's resistance to flowing (high viscosity = low flow)

Boyle's Law when temp. stays constant $\leftarrow \begin{array}{l} \text{decrease volume} \rightarrow \text{increase pressure} \\ \text{increase pressure} \rightarrow \text{decrease volume} \end{array}$

Charles Law increase temp + constant pressure \rightarrow volume increases

Surface Tension: result of an inward pull among molecules of a liquid that brings molecules on surface closer together
ex. water droplets on a leaf