

Noteset 0F (Part 1)

Properties of Matter

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Intensive Properties

Properties that do not depend on the amount of matter

Ex: Temperature (T), color, Boiling/Melting Point, odor

Extensive Properties

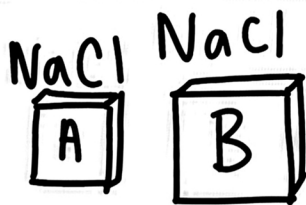
Properties that do depend on the amount of matter

Ex: Mass, Volume, length, heat, energy

Density [D]

An intensive property based on the ratio ($\div$) of mass (m) to volume (v) of matter

$$D_A = D_B$$



$$D = \frac{m}{V}$$

D = Density (g/L)

m = mass (g) (kg)

V = Volume (mL) ^{or} (L)