

Cornell Notes

Concept Density

Date _____

Density

Density is a measure of how tightly packed the atoms of a substance are.

How compact something is.

How much mass per volume.

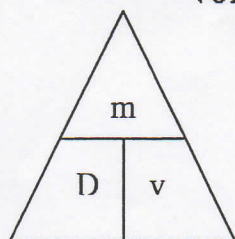
Density (g/mL) = Mass (g) / Volume (mL)

Density Formula

Density = Mass \div Volume

$$\text{Density} = \frac{\text{mass}}{\text{volume}} \quad \text{or} \quad D = \frac{m}{v}$$

Density Triangle



Density of water

Density of pure water is 1 g/ml

When put in or on water: Anything with a density greater than 1 will sink. Anything with a density less than 1 will float.

Density is a measurement of the “compactness” of a substance. The ratio of mass to volume. The density of pure water is 1 g/ml. Density can be labeled g/ml or g/cm³. The Density formula can be put in a triangle. Cover up what you are solving for, what is left is the formula.