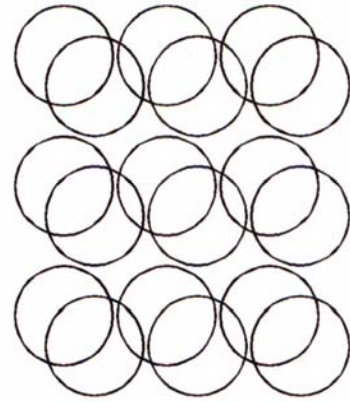
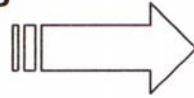


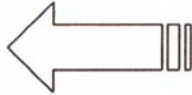
# Mass

Is a measure of how much "stuff" is in something.  
Scientists use units called GRAMS to measure it.



# Volume

Is a measure of how much space something takes up.  
Scientists use units called cubic centimeters (cm<sup>3</sup>) to measure it.

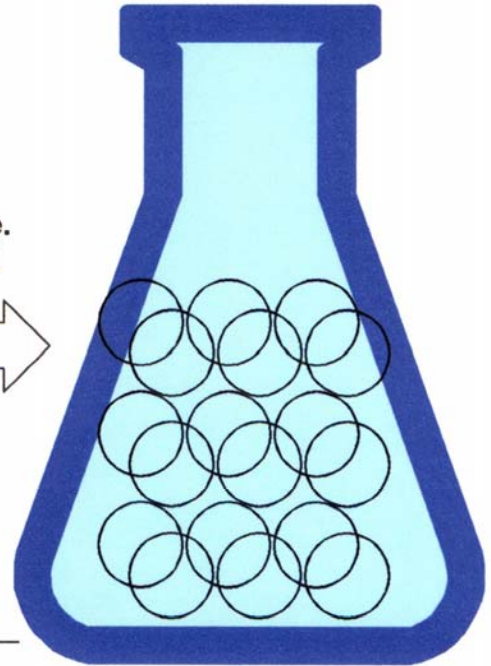


# Density

Is a measure of how much mass would be in each cubic centimeter of an object if it were distributed exactly evenly through its volume.  
Scientists use units called grams per cubic centimeters (g/cm<sup>3</sup>) to measure it.



Since Density is a relationship between an object's mass and its volume, it can be represented as a mathematical ratio.



$$\text{Density} = \frac{\text{MASS} \quad \text{How much stuff you have}}{\text{VOLUME} \quad \text{How much space you have broken into even and equal pieces called cubic centimeters}}$$

Or

$$\text{Mass} \overline{) \text{Volume}}$$

The answer you get is what Scientists call the object's DENSITY