MATTER

Niyana Santiago

What is Matter?

Matter is anything that has mass and takes up space

Properties of Matter

Mass

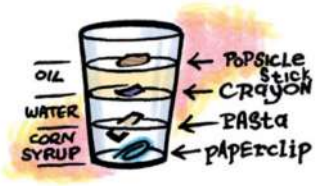
Mass is measuring the amount of matter in an object. The unit of measurement is often measured in kilograms

Volume

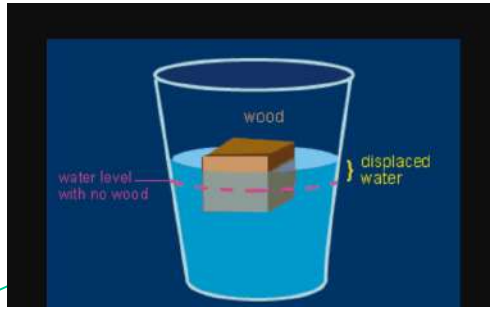
Volume is the amount of space an object occupies. The unit of measurement is often measured in milliliters

Mass and Weight: Are They Different?

Mass vs. Weight	
Mass	Weight
Mass is the amount of matter in an object. It's unit of measurement is kilograms.	Weight is the force of gravity between Earth and an object. The unit of measurement is *newtons*



Density



The density of an object tells us how massive something is for its size.

Density Formula

$$\frac{\text{Mass}}{\text{Volume}}$$

Density is dividing the mass by its volume. Density tells you if an object will float or sink in a cup of water.

Denser objects have less empty space in them. Did you know that if u put oil in a cup of water it floats?, well that's because it is less dense then water. So it floats at the top of the cup instead of sinking to the bottom of the cup. If you put a rock in a cup it sinks because it is more dense than water. Wood floats in water because it is less dense than the water in the cup or bowl. Density is a physical properties of matter.

Conductor or Insulator?

Conductor are materials that allow energy to flow through easily

Insulator are materials that doesn't readily permit energy to not flow through easily

Matter

Properties?

Mass
Volume
Weight
Density

?

Astronaut
Clown
Teacher
Lifegaurd

Conductors
and
Insulators

References:

en.Wikipedia.org/wiki/density

https://images.google.com
Daniel, L., Hackett, J., Moyer, R., & Vasquez, J. (2006) Science. New

York: Macmillan/McGraw-Hill.