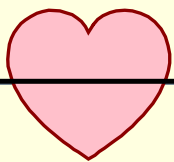


Density and Buoyancy

Density-

How much mass in every unit of volume. OR, how tightly packed the matter is in an object.



$$\frac{m}{v} = d$$

Class. $\frac{g}{cm^3}$
Units'

Density and Buoyancy

Buoyancy-

How well something floats.

Ballast-

Mass used to balance and stabilize a water vessel.

Archimede's Principles

if the object...

FLOATS- the object's mass is equal to the mass of the displaced liquid

SINKS - the object's volume is equal to the volume of the displaced water