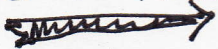
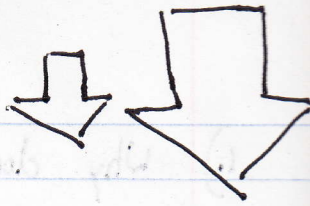
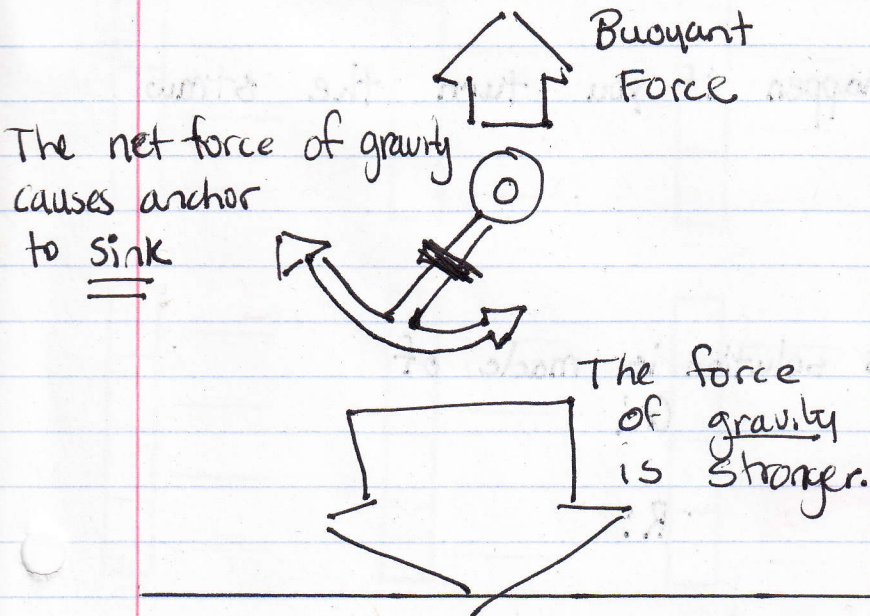


Vector is an arrow that shows direction and magnitude (amount) of force. 

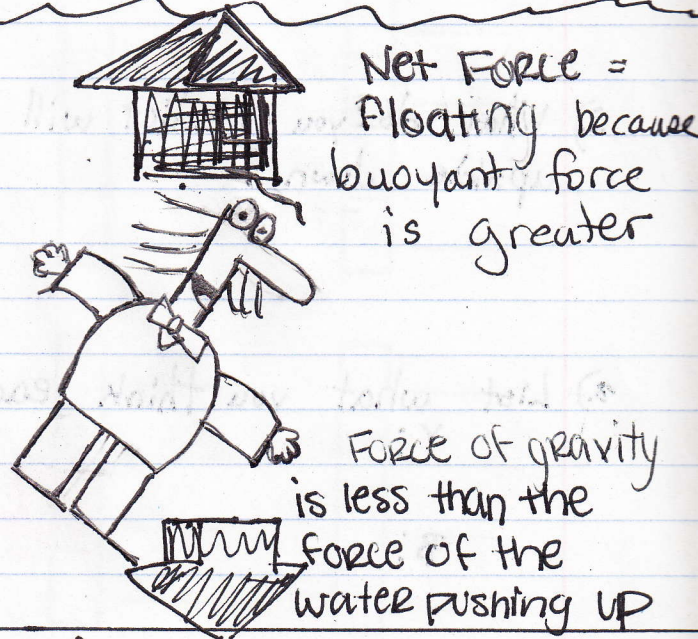
Eureka Buoyancy



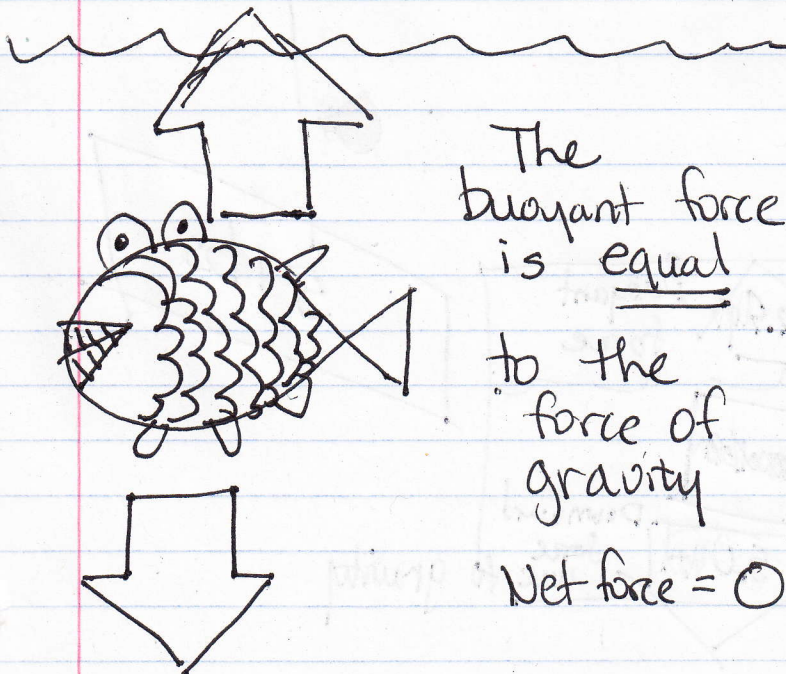
Sinking



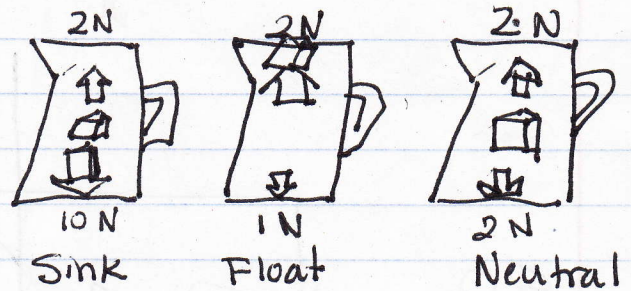
Floating



Neutral Buoyancy



Archimedes' Principle of Buoyancy



Objects are buoyed up by a force equal to the weight of the water displaced.

Buoyant Force = weight of the displaced water