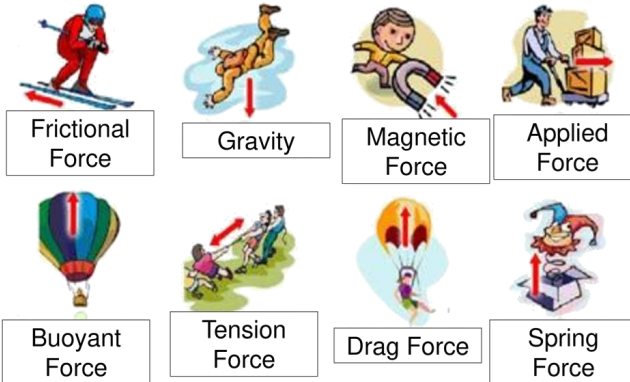




Forces

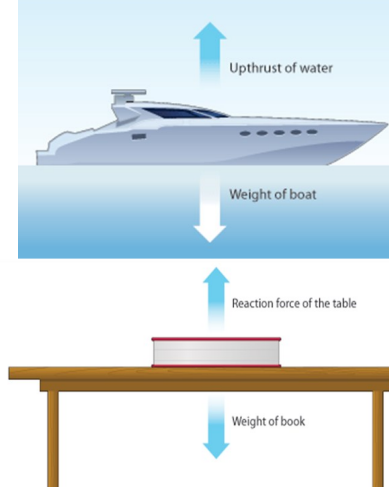
Topic outcome:

Types of Forces



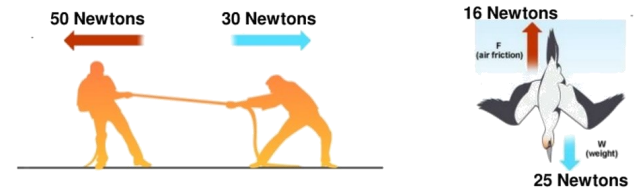
- Forces can be Contact or Non-contact
- Action – Reaction forces are—Interacting pairs
- Buoyant forces are also called— Upthrust
- Drag forces are also called— Friction

Balanced Forces

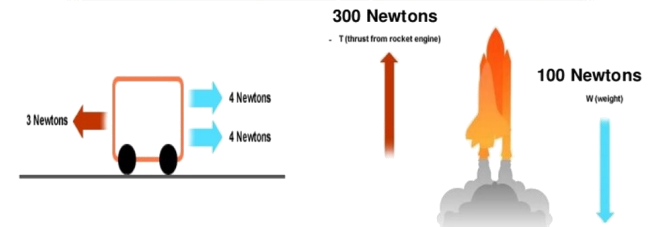


Balanced forces:

an object that is not moving stays still.
an object that is moving continues to move at the same speed and in the same direction



Unbalanced Forces



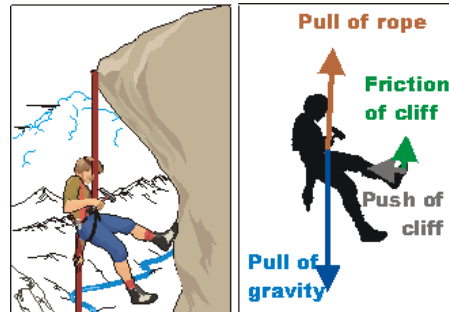
Unbalanced forces:

an object that is not moving starts to move
an object that is moving changes speed or direction

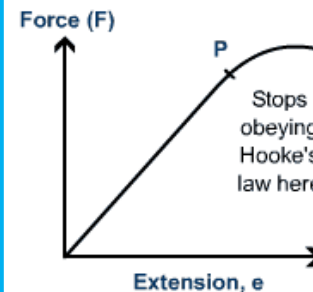
Measuring Forces



- Measured using a ...
- Arrows are used to represent...
- Arrows representing contact forces must be touching the object
- Arrows representing non-contact forces do not have to be touching



Compression (squashing) and Extension (stretching)



Hooke's law says that the force on a spring or elastic is related (proportional) to the change in length (extension)

