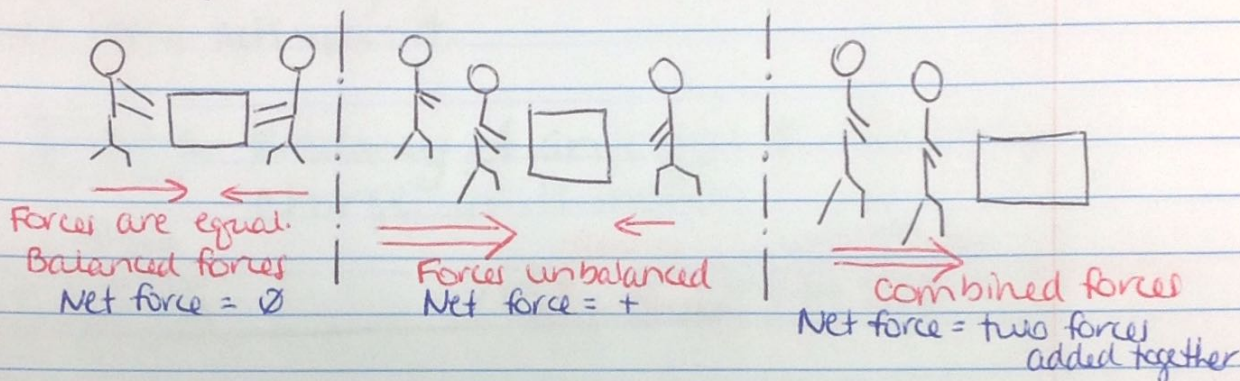


## MOTION AND FORCES

**Force** - a push or pull applied to an object.

**Net Force** - when two or more forces act on an object at the same time.



**Friction** - the force that opposes the sliding motion of two touching surfaces.

Friction is caused by microscopic bumps on surfaces called microwelds.

Type of Friction	Description	Example
Static	Friction in which two surfaces are not moving past each other.	Pushing a fridge across a floor.
Sliding	Friction where two surfaces slide past one another.	Sliding down a hill.
Rolling	Friction between a rolling object and surface it rolls on.	Skateboard moving on ground.
Fluid	Friction when object moves through fluid, meaning either a liquid or gas.	Skydiving.

**Air Resistance** - friction-like force that opposes motion of objects that move through air - depends on speed, size, and shape of object.