

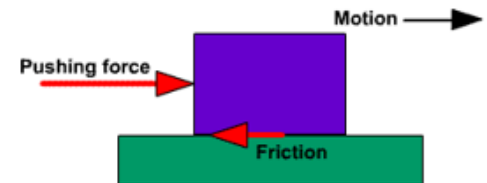
MOST IMPORTANT: Ideas

- **Interaction of Force and Mass**

- Unbalanced forces → object will move in direction of stronger force
- Balanced forces → object will not move
- Contact forces → occur when two masses are directly touching: frictional force.
Forces from a distance → electrical force, magnetic force, and gravity

- **Friction**

- Force that acts in the direction opposite of an object's motion.
Causes objects to slow down



- **Gravity**

- The larger the mass, the greater its gravitational pull on another object.
- Force of gravity determines weight. Earth's gravity pulls masses towards the center of the Earth. The gravity of the sun causes the Earth and other planets to orbit around it. The farther away two objects are from each other, the weaker the force of gravity between them.

MOST IMPORTANT: Vocab

Mass _____

Force _____

Unbalanced force _____

Balanced force _____

Friction _____

Inertia _____

Gravity _____