NAME Mrs. Polofsky CLASS Science DATE _____

Graphic Organizer

Web Diagram

Force is a push or pull on an object that can cause it to change motion. Forces can also cause objects to start moving, speed up, slow down, STOP, or change direction

Gravity is the force that pulls any two objects toward one another, such as you toward the center of the earth. Example: Gravity is the force that pulls a roller coaster car down the slope, to the center of earth.

Force and Motion

Inertia is the tendency of a moving object to stay in motion or a resting object to stay at rest.

Friction is a force that slows or stops the motion of moving objects. Friction occurs when two objects rub against each other.

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