

Force and Motion Vocabulary

Force - a push or pull that is applied to an object

Balanced forces - when two equal forces are applied to an object in opposite directions, then object does not move

Unbalanced forces - push or pull on an object that is not subject to an equal and opposite push or pull

Friction - a force that opposes motion of a body across a surface or through a gas or liquid

Non-contact force - a force which acts on an object without coming in physical contact with it (example: gravity)

Magnetism - the properties of attraction possessed by magnets; the molecular properties common to magnets

Gravity - a force that exists between any two objects that have mass

Speed - distance traveled per unit of time

Position - a specific point in space

Lubricant - a substance, such as oil or grease, used for minimizing friction, especially in an engine or component

Direction - the course or path that an object is moving, can be determined by using a compass

Compass - an instrument containing a magnetized pointer which shows direction of the magnetic north and bearings from it

*Mass - the amount of matter in something