

Vocabulary

Vocabulary

Study the vocabulary words and definitions below.

acceleration any change in speed or direction

balanced when opposing forces are equal and do not cause movement

force any push or pull

friction a type of resistance caused when one surface touches another surface

gravity the attraction of matter toward another body of matter
Example: Earth's gravity holds us on its surface.

inertia a property of matter by which an object keeps its present state of motion unless acted upon

laws of motion the laws that state the relationship between force and motion

lubrication the greasing of surfaces that rub against each other in order to reduce friction

Vocabulary

mass the amount of matter in a substance

motion movement of an object from one place to another; any change in location or alignment

newton the Systeme Internationale (SI) unit of force; it is abbreviated as N

resistance any force that prevents or slows down motion

speed the distance an object moves in a certain amount of time

Systeme Internationale (SI) the international system of measurement that includes metrics for distance, mass, and volume, and the Celsius scale for units of temperature

unbalanced when one force overpowers another force; the forces are not equal; causes movement

velocity speed in a definite direction

weight the measure of the force of gravity