

Forces Vocabulary Definitions

Force – a push or pull exerted on an object

Newton – a unit of measure that equals the force required to accelerate 1 kilogram of mass at 1 meter per second per second; unit used to measure force

Net Force – the overall force on an object when all the individual forces acting on it are added together

Unbalanced Forces – forces that produce a nonzero net force, which change an object's motion

Balanced Forces – equal forces action on an object in opposite directions; no motion

Friction – the force that one surface exerts on another when the 2 surfaces rub against each other

Gravity – the force that pulls objects toward each other

Mass – the amount of matter in an object