

Scientific unit for measuring distance	Motion of an object in relation to motion of other objects	Measure of how far something moves
Direction and distance of an object from its starting point	Measure of the distance and time an object travels	Push or pull that changes the motion of an object
Scientific unit of force	The overall force acting on an object	A net force of zero
Shown by the slope on a distance/time graph	Shown by a straight line on a distance/time graph	Shown by a horizontal line on a distance/time graph
Static, sliding, rolling and fluid	Friction between objects that are touching but not moving	Friction between objects as they slide past one another
Friction force acting between rolling objects	Friction between objects moving through liquids or gases	Law of Inertia
Force that acts between any two masses	For every action there is an equal and opposite reaction	A net force acting on an object causes it to move in the direction of the force

Distance	Relative Motion	Meter
Force	Speed	Displacement
Balanced Forces	Net Forces	Newton
No Motion (speed = 0) Represented on a Graph	Constant Speed Represented on a Graph	Speed Represented on a Graph
Sliding Friction	Static Friction	Four Types of Friction
Newton's First Law of Motion	Fluid Friction	Rolling Friction
Newton's Second Law of Motion	Newton's Third Law of Motion	Gravity