

Name _____ Block _____ Date _____

Ch 4 Newton's 1st Law Vocabulary & Definitions

Mrs. Peck

equilibrium	A state of balance in which no net force acts on an object.
force	Any influence that tends to accelerate an object: a push or a pull
friction	The force that acts to resist the motion of an object or materials that in contact
inertia	The reluctance of an object to change its state of motion
kilogram	The SI unit of mass
law of inertia	is newton's 1st law
mass	The amount of matter in an object: a measure of an object's inertia
net force	The combination of all the forces that act on an object
newton	The SI unit of force
Newton's First Law	Every body continues in its state of rest, or of motion in a straight line at a constant speed, unless it is compelled to change that state by a net force exerted upon it
normal force	For an object resting on a horizontal surface, the upward force that balance the weight of the object (aka: support force)
volume	The amount of space an object occupies