## Forces and Motion

Force refers to any action or influence that causes an object to move. An object experiences a force when it is pushed or pulled by another object. An object can also experience a force because of the influence of a field, such as gravity or magnetism. Match each term in the word box to its definition.

#	kinetic gravity	momentum weight	centripetal friction	mass speed	inertia velocity
•		_ A force that resists	the movement of on	e surface agains	t another.
0		The amount of ma	tter in an object.		
<b>(9)</b>		The type of force	that keeps objects mo	ving in a circle o	or arc.
<u> </u>		The force of attrac	ttion that exists betwe	een two objects.	
<u> </u>		The distance cover	red within a certain u	nit of time.	
<u> </u>		The rate at which	an object changes its	velocity.	
<b>O</b>		The rate at which	an object is traveling	in a certain dire	ection.
<b>®</b>		The energy of mo motion.	tion or the energy an	object has as a	result of its
<b>9</b>			nn object to remain at ht line if in motion.	rest if at rest or	r to continue
<b>®</b>		_ A unit of measurement for force.			
•		The amount of fo	rce exerted on an ob	ect due to gravi	ty.
<b>@</b>		The product of a	n object's mass and its	velocity:	