

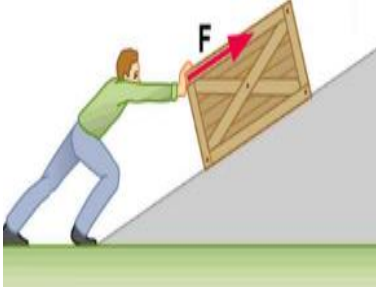

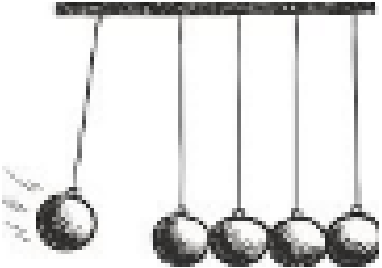



<p><b>balanced force</b></p>	<p>forces that are equal in size but opposite in direction</p>	 A cartoon illustration of a woman with short red hair, wearing a tan long-sleeved shirt and blue pants, sitting on a green office chair. She is facing right. The chair has a grey base with five wheels. This illustrates balanced forces as the person is stationary.
<p><b>unbalanced force</b></p>	<p>forces that cause a change in the motion of an object</p>	 A photograph of five people standing in a line on a grassy field, holding onto a thick rope. They are all pulling towards their respective sides. This illustrates unbalanced forces as the rope is being pulled in multiple directions, causing it to move.
<p><b>force</b></p>	<p>any interaction which tends to change the motion of an object</p>	 A cartoon illustration of a person in a green shirt and blue pants pushing a large wooden crate up a grey ramp. A red arrow labeled 'F' points up the ramp from the crate, representing the applied force. This illustrates a force causing an object to move.

<p><b>gravity</b></p>	<p>a natural phenomenon by which all physical bodies attract each other</p>	 An illustration of a green tree with a brown trunk. A red apple is shown falling from the tree, with a red arrow pointing downwards next to it. On the ground below the tree, there are four red dots representing fallen apples.
<p><b>motion</b></p>	<p>any movement or change in position or time</p>	 An illustration of a Newton's cradle with five silver balls hanging from a horizontal bar. The leftmost ball is in motion, having just struck the other balls, as indicated by motion lines behind it.
<p><b>energy</b></p>	<p>the exertion of power</p>	 An illustration of a person in a yellow and red athletic uniform running. The person is captured in a dynamic pose, leaning forward with arms and legs in motion, representing the exertion of energy.