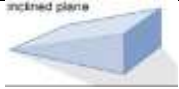


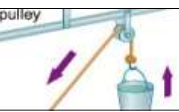

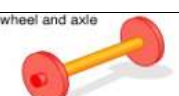


## Forces in Motion and Simple Machines

Word	Definition	Example/Illustration	Word	Definition	Example/Illustration
<b>unbalanced</b>	When forces cause a change in the motion of an object		<b>Inclined plane</b>	A flat surface that is higher on one end	
<b>Force</b>	A push or pull upon an object and resulting from the object's interaction with another object		<b>lever</b>	A board or bar that rests on a turning point (fulcrum-turning point)	
<b>Friction</b>	A force between surfaces that slows down or stops them from moving		<b>wedge</b>	2 inclined planes placed back to back used to push two objects apart	
<b>Gravity</b>	An attraction by and/or with any two things made of matter		<b>pulley</b>	A simple machine made up of a wheel and rope	
<b>investigation</b>	A formal inquiry or systematic examination		<b>screw</b>	An inclined plane twisted into a spiral	
<b>Motion</b>	Change in position relative to a reference point		<b>Wheel and axle</b>	A simple machine made up an axle attached to the center of a wheel	
<b>Simple machine</b>	A machine with few moving parts, making it work easier		<b>Balanced</b>	Forces that act on an object at rest that counteract each other so that the object will not move. Ex: If you push against a wall, the wall pushes back with an equal but opposite force.	
<b>Work</b>	The use of force to move an object a certain distance		<b>Gear</b>	Simple machine components	
<b>Compound Machine</b>	A machine comprised of more than one simple machine		<b>Example:</b>		

