

Force and Motion

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Glossary

direction the way an object is moving

distance how far something moves

effort force applied to a simple machine to move the load

energy ability to do work

force push or pull

friction force caused by objects rubbing together that makes them slow down or stop

fulcrum point that a lever turns around

gravity force that pulls objects toward Earth

inclined plane simple machine that is a flat surface with one end higher than the other

lever simple machine made of a bar that pivots on a fulcrum

load object that is being moved

lubricant slippery material that reduces friction

machine tool that makes work easier

motion change of position or location; movement

newton unit used to measure force

pivot to turn around a point, such as a fulcrum

position where something is located

pulley simple machine made of a grooved wheel and a rope

screw simple machine made of an inclined plane wrapped around a center post

simple machine tool with few or no moving parts that makes work easier

speed how fast something is moving

spring scale tool used to measure weight or force

wedge simple machine with sides that are inclined planes

weight a measure of the force of gravity pulling on an object

wheel and axle simple machine with a center rod, or axle, joined to a wheel

work something done when a force moves an object a distance