

Three versions are included.
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Simple Machines

Terms to Know

- **Force:** Pushes or pulls that can cause objects to move, stop moving, change speed, or change direction.
- **Friction:** A force that opposes the motion of an object.
- **Simple Machine:** Devices that change the direction or size of a force.
- **Compound Machine:** Devices that contain more than one simple machine.

Simple Machines

Lever	a bar that rotates on a pivot or fulcrum	
Inclined Plane	a flat, slanting surface	
Wedge	two inclined planes placed back to back	
Wheel & Axle	a fixed wheel turning on a rod through its center	
Screw	an inclined plane wrapped around a cylinder	
Pulley	a wheel with a grooved rim and a cord around it	

Compound Machines

Compound machines are two or more simple machines working together. Some examples include:



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Pushing & Pulling Forces

A force is any push or pull on an object.

pushing a shopping cart



A push moves things away

pulling a wagon



A pull moves things close

Gravity is a force that pulls everything towards Earth. An example is when an apple falls from an apple tree.



Simple Machine Study Guide

James Boyce



Simple Machine Study Guide:

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