

# Simple Machines

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## Glossary

**compound machine** machine made of two or more simple machines

**distance** how far something moves

**efficiency** amount of work a machine does compared to the amount of energy put into using the machine

**effort** force applied to a simple machine

**energy** ability to do work

**force** a push or pull

**friction** force caused by one object rubbing against another

**fulcrum** point around which a lever pivots or turns

**gravity** force that pulls objects toward the center of Earth

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

**inertia** tendency of a moving object to stay in motion or a resting object to stay still

**joule** unit used to measure work

**kinetic energy** energy of motion

**lever** simple machine that is a rigid bar that turns around a fixed point

**machine** any tool that uses energy to make work easier

**motion** change of position or place; movement

**newton** unit used to measure force

**potential energy** stored energy

**pulley** kind of wheel with a groove for a rope or cable

**resistance** force exerted by something you are trying to move

**screw** simple machine that is an inclined plane wrapped around a rod

**simple machine** machine with few or no moving parts that makes it easier to do work. The six types of simple machines are the lever, pulley, wheel and axle, inclined plane, wedge, and screw.

**speed** how far an object moves in a certain amount of time

**wedge** simple machine that is a type of inclined plane with one or two sloping surfaces

**wheel and axle** simple machine that consists of a large wheel fixed to a smaller wheel or shaft called the axle

**work** result of a force moving an object over a distance