

Simple Machines

Vocabulary



Work – Work is done when a force is used to move something (a load).

Force – a push or a pull

Load – what is being moved

Distance - how far the load is moved

Energy – the ability to do work

Machine – a tool that makes work easier

Simple machine – a machine with few or no moving parts

Energy is used whenever a **force** moves a **load** any **distance**. This is called **work**. A **machine** makes work easier.

Work	Force is used to move a load
Force	A push or pull
Load	What is being moved
Distance	How far the load is moved
Energy	The ability to do work
Machine	A tool that makes work easier
Simple machine	A machine with few or no moving parts

Lever	Straight bar that moves on a fixed point
Fulcrum	The fixed point that a lever moves on
Wheel & axle	A wheel that moves on a center post
Pulley	A grooved wheel with a rope around it
Screw	An inclined plane wrapped around a center post
Wedge	Two inclined planes that together form a V
Inclined plane	Any slanted surface