

work

the use of force to move an object over a distance

simple machine

a machine that uses few or no moving parts to which you apply only one force

lever

a bar that pivots on a fixed point

ex: A seesaw is a lever. The board of the seesaw is the bar.

fulcrum

the fixed point on a lever

ex: A seesaw is a lever. The place in the middle where the board pivots is the fulcrum.

pulley

a wheel with a line around it

ex: crane, elevator

wheel-and-axle

a wheel and axle that move together

ex: wagon, car

inclined plane

a slanted surface

ex: ramp, playground slide

screw

a post with threads (inclined plane) wrapped around it

ex: bottle cap, spiral staircase

wedge

**two inclined planes placed
back to back**

ex: knife, ax

compound machine

**a machine consisting of two or more
simple machines that work together**

ex: wheelbarrow, scissors, bicycle

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