

MACHINES: Simple & Compound



Simple Machine

A simple device used to alter the magnitude or direction of a force.

There are 6 types of simple machines. Read the name and description of each. Then, draw a line from the name to the picture that acts as an example of that type.

Lever

A board or bar that rests on a turning point.

Wheel and Axle

A rod that goes through a wheel that lets the wheel turn.

Pulley

A wheel and a rope, with one part of the rope attached to a load.

Screw

An inclined plane that winds around a nail.

Inclined Plane

A flat surface that is higher on one end.

Wedge

Two inclined planes used to push two objects apart.



Compound Machine

Two or more simple machines operating together.

Examples

Bicycle, Sewing Machine, Wheel Barrel, Shovel, Car