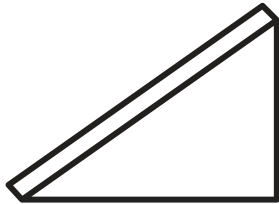


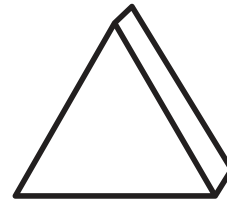
SIMPLE MACHINES

INCLINED PLANE



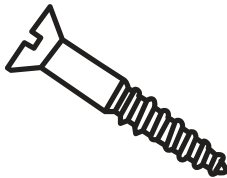
The **Inclined plane** is the simple machine. It is a fancy name for a flat, sloping surface.

WEDGE



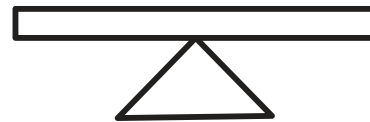
The **Wedge** may be the original simple machine. It's mainly used for splitting or separating things.

SCREW



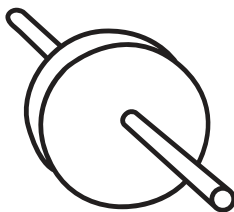
A **Screw** transforms energy from turning into up and down energy. So by turning a screw, you can lift things up, push things down, and hold things together.

LEVER



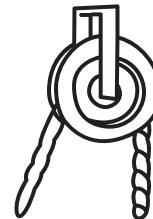
A **Lever** is a straight bar or rod that turns on a pivot point, or fulcrum.

WHEEL AND AXLE



The **Wheel and axle** is a machine consisting of a wheel attached to a smaller axle so that these two parts rotate together in which a force is transferred from one to the other.

PULLEY



A **Pulley** is a wheel on an axle or shaft that is designed to support movement and change of direction of a taut cable or belt, or transfer of power between the shaft and cable or belt.

NAME: _____

SIMPLE MACHINES

Directions: Look around to see if you can find an example of each of these simple machines. When you find one, draw a picture in the correct box below.

INCLINED PLANE

WEDGE

SCREW

LEVER

WHEEL AND AXLE

PULLEY

NAME: _____

SIMPLE MACHINES

Handwriting and Spelling Practice

Directions: Read, trace, and write each term.

Inclined plane Inclined plane

Lever Lever Lever Lever Lever

Pulley Pulley Pulley Pulley Pulley

Screw Screw Screw Screw

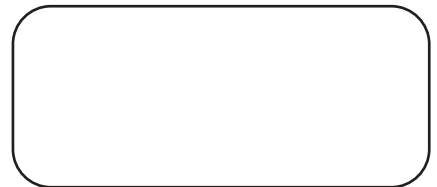
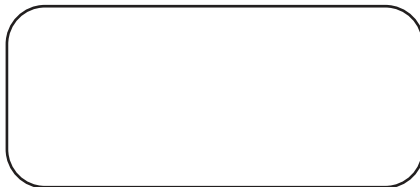
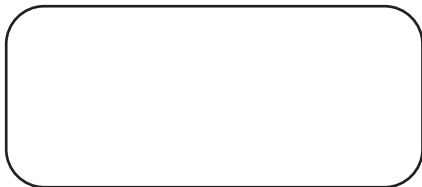
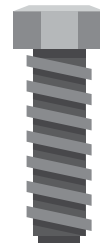
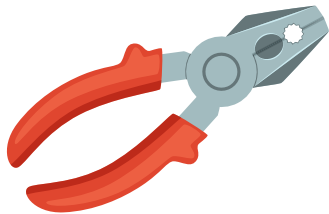
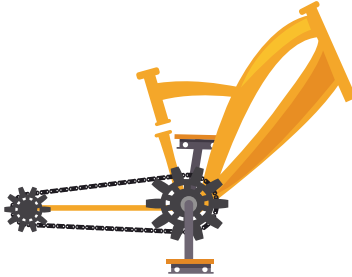
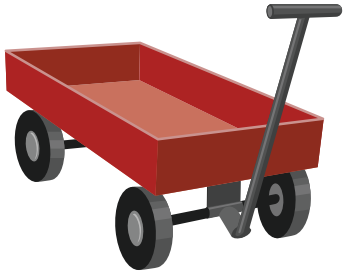
Wedge Wedge Wedge Wedge

Wheel and Axle Wheel and Axle

NAME: _____

SIMPLE MACHINE

Directions: Cut the boxes below and paste it to the correct image.



Pulley

Screw

Inclined
Plane

Lever

Wedge

Wheel and
Axle

NAME: _____

SIMPLE MACHINE MATCH

Directions: Match the simple machine to its operation.

Lever

a wheel with a groove around the outside edge where a rope is placed and is used to make pulling objects upward easier.

wheel & axle

two inclined planes joined back to back that fit into crevices and are used to split things in two.

wedge

a straight rod or board that pivots on a point called a fulcrum which can be moved depending on the weight of the object and the force needed; used to make lifting easier.

inclined plane

an inclined plane wrapped around a cylinder which easily moves through material such as wood.

pulley

a set of wheels connected by a smaller cylinder, called an axle, allowing the set to turn; makes moving objects easier.

pulley

a sloping surface, used to alter the effort and distance involved in doing work, such as lifting loads.

Directions: Look around your room. Find examples of each simple machine.

lever _____

inclined plane _____

wheel & axle _____

pulley _____

wedge _____

screw _____

NAME: _____

SIMPLE MACHINE CROSSWORD

axle

gravity

machines

force

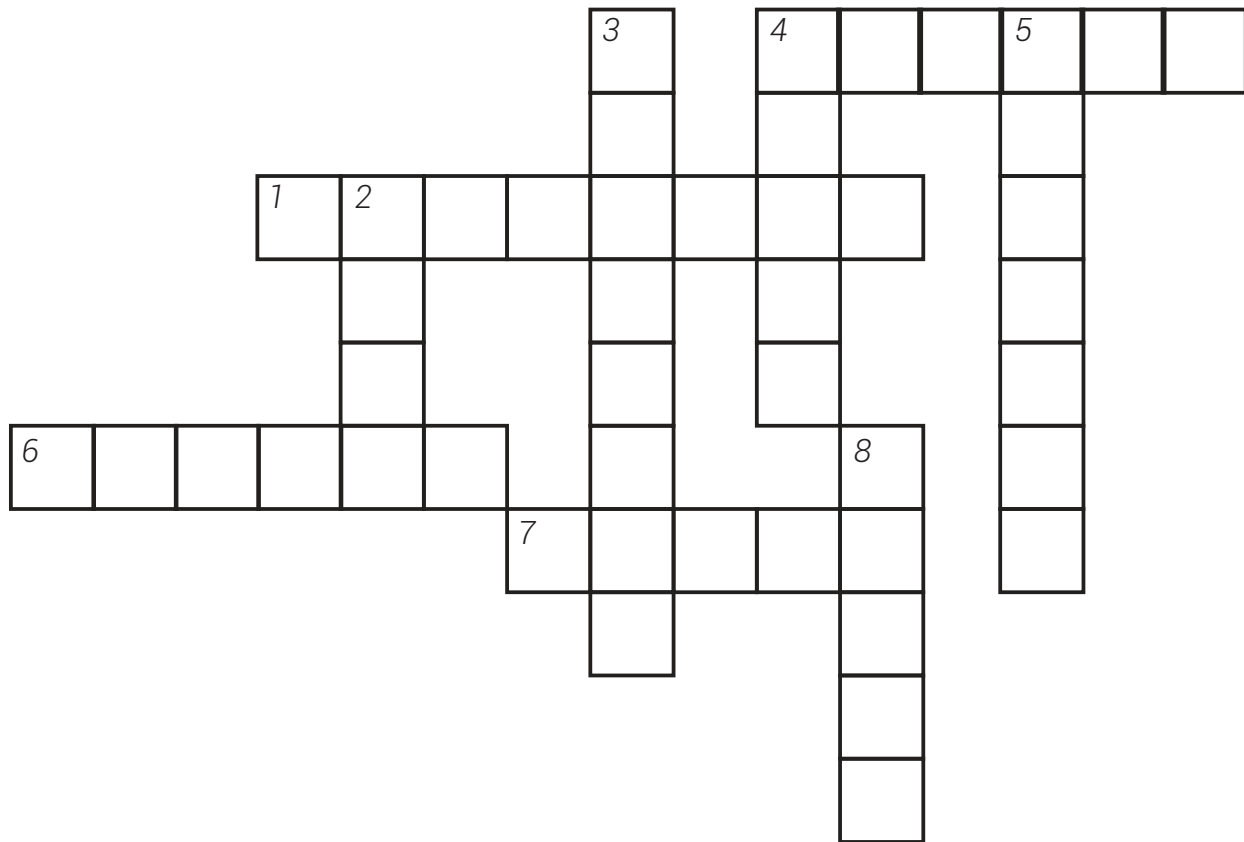
lever

pulley

friction

wheel

weight



ACROSS

- _____ makes work easier.
- The amount something weighs it it's _____
- A _____ is a machine made of a rope and wheels.
- The power causing an object to move, stop or change direction is _____

DOWN

- A wheel turns on a rod called an _____
- _____ is a force that shows down a moving object.
- A _____ is a shaped like a circle.
- _____ pulls objects toward the earth's center.
- A bar used for raising or moving weight is called a _____