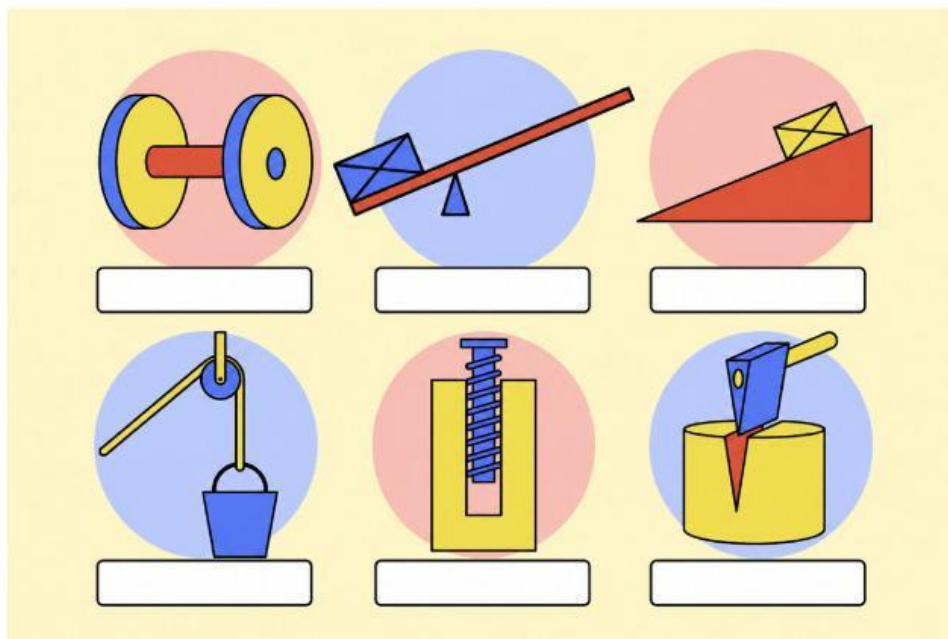


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 **Let's see how well you're understanding simple machines so far.**

Draw a line from the object to the simple machine it represents.



1. Use the words above to fill in the blanks in the following text.

1. A _____ is made up of two inclined planes and is very useful for separating objects
2. This simple machine is made up of two parts that act together. The ability of the _____ to roll makes moving a load over a long
3. To lift a heavy object upwards we may use a _____ which has a wheel with a groove in it and rope that we pull on to lift a load.
4. The _____ has a fulcrum or pivot point which can lie in a few different positions. This simple machine is used to lift a weight.
5. A _____ is formed by a cylinder with an inclined plane wrapped around it and is very useful for joining things together.

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2.Fill in the blanks

Word Bank

Thread – load – effort – lift – pulley – screw

1. A pulley helps people _____ heavy objects.
2. The object being lifted is called the _____.
3. Simple machines reduce the _____ required to perform a task.
4. A screw has spiral lines called _____.
5. A pulley can help move a heavy _____ more easily.

Hi we are screws, we are spiral-shaped

We can be used for ;

_____ holes on objects

_____ heavy loads

_____ things together



2.Multiple Choice

A ramp is an example of:

- a) wheel and axle
- b) inclined plane
- c) wedge

Which machine is used to cut or split objects?

- a) wedge
- b) pulley
- c) lever

Which machine is BEST for opening a paint can?

- a) lever
- b) screw
- c) pulley

Which machine is found in a jar lid?

- a) wedge
- b) screw
- c) pulley

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Match the Word with the Meaning

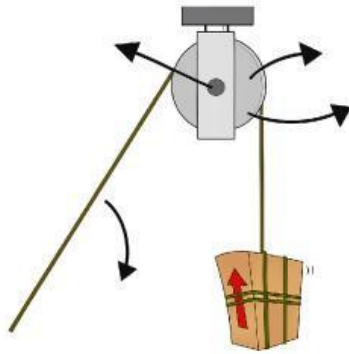
Word

1. Load
2. Effort
3. Thread
4. Lift

Meaning

- a. The force used to do work
- b. Spiral line on a screw
- c. The weight of an object
- d. Move something upward

Label the parts of the pulley.



Match the Simple Machine

Write the correct simple machine name.

1. A knife is a _____.
2. A flagpole uses a _____.
3. A doorknob is a _____.
4. A seesaw is a _____.

Fill in the Blank

Biomimicry is when humans copy _____ to solve problems.

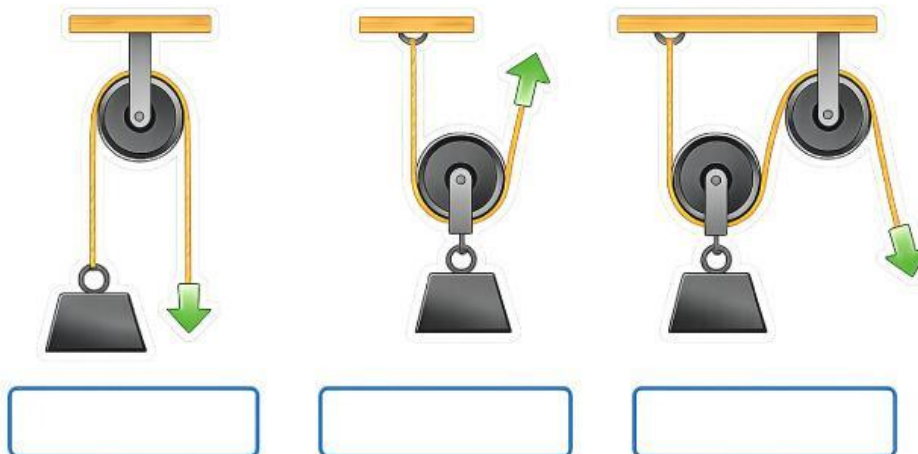
Scientists study plants and animals to



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Pulley Investigation

Write the name of each pulley system.



Real-Life Examples

Write **two examples of pulleys** used in everyday life:

Write **two examples of screws** used in everyday life:

Observe the picture carefully.

Identify the simple machine.

Label its parts.

