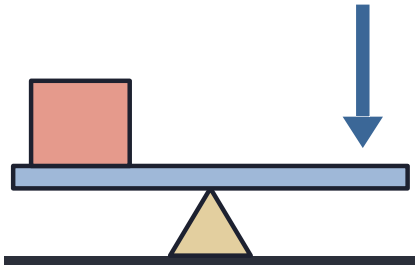


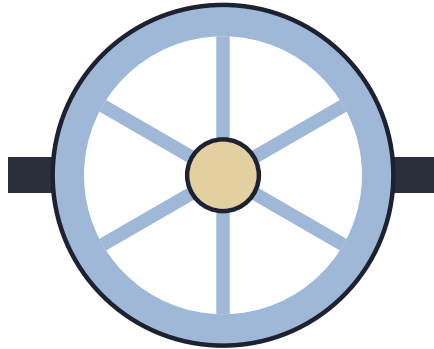
Simple machines

Write the name of each simple machine in its box. The word bank has the names.

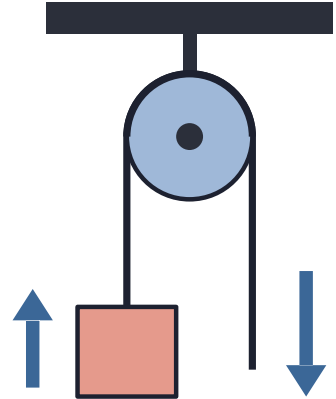
Name _____ Date _____



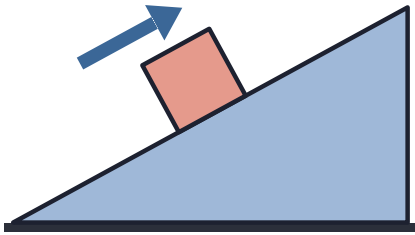
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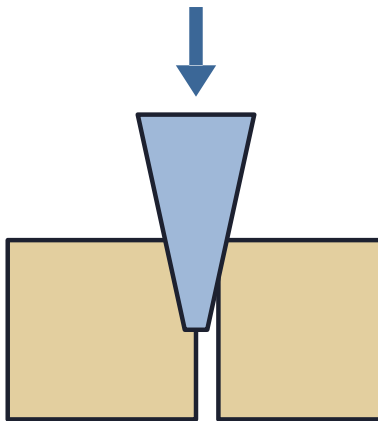
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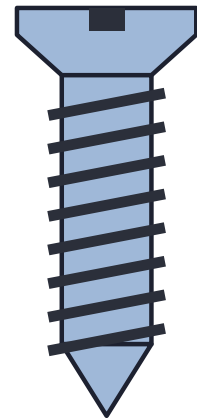
3



4



5



6

Word bank

Inclined plane

Screw

Lever

Wedge

Pulley

Wheel and axle

1. What is the point a lever turns on called?

2. Which simple machine is a ramp?

3. Which two simple machines make a pair of scissors?

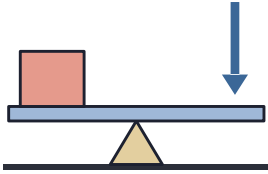
Simple machines: answer key

What each simple machine does, and where you find it.

1. Lever

A bar that rests on a fixed point, the fulcrum, and turns on it to move a load.

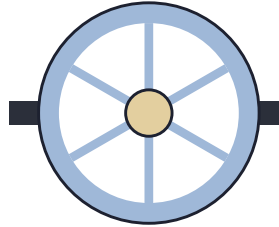
For example: a seesaw, a crowbar.



2. Wheel and axle

A wheel fixed to a smaller rod, the axle, so the two turn together to move or turn a load.

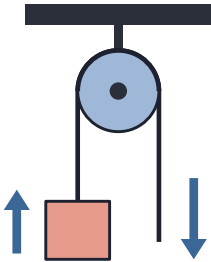
For example: a bicycle, a clock.



3. Pulley

A wheel with a rope over it. It changes the direction of the pull: pull the rope down, and the load goes up.

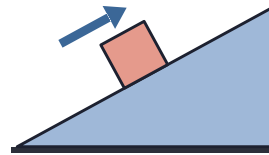
For example: an elevator, a water well.



4. Inclined plane

A slanted surface, with one end higher than the other, that makes a load easier to move up or down.

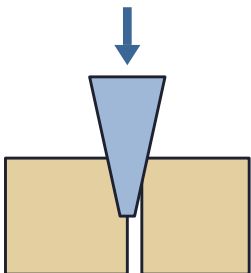
For example: a ramp, stairs.



5. Wedge

Two slanted sides that meet at a thin edge, to split or separate things, or to hold them in place.

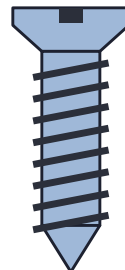
For example: a knife, a door stop.



6. Screw

Helps to fasten two things together. It is a narrow slanted surface wrapped around a rod.

For example: a wood screw, a bottle cap.



Two or more simple machines working together make a compound machine. A pair of scissors is one: two levers that turn on one point, with blades that are wedges.

Answers: 1. The fulcrum. 2. The inclined plane. 3. The lever and the wedge.