



# Simple Machines

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 3

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. A hammer claw pulls nails out of wood by working as a \_\_\_\_\_ .
2. The threads on a bolt are shaped like an inclined plane wrapped in a \_\_\_\_\_ .
3. A pizza cutter uses a \_\_\_\_\_ and axle to roll across the dough.
4. A chisel is a \_\_\_\_\_ that carves and splits stone or wood.
5. A crane at a construction site uses a \_\_\_\_\_ to lift steel beams.
6. Loading a truck by pushing boxes up a ramp uses an inclined \_\_\_\_\_ .
7. When you move the fulcrum closer to the load, the lever needs less \_\_\_\_\_ .
8. A wood \_\_\_\_\_ is a type of screw that holds two boards together.
9. Simple machines change the direction or amount of \_\_\_\_\_ needed to do work.

## Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Scissors	→ _____	Wheel and axle
Slide	→ _____	Pulley
Doorknob	→ _____	Inclined plane
Flagpole rope	→ _____	Two levers joined together

## Answer Key · Simple Machines · Grade: Grade 3

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### Part A: Fill in the Blank

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Write the missing word or number on each line.

1. A hammer claw pulls nails out of wood by working as a lever .
2. The threads on a bolt are shaped like an inclined plane wrapped in a spiral .
3. A pizza cutter uses a wheel and axle to roll across the dough.
4. A chisel is a wedge that carves and splits stone or wood.
5. A crane at a construction site uses a pulley to lift steel beams.
6. Loading a truck by pushing boxes up a ramp uses an inclined plane .
7. When you move the fulcrum closer to the load, the lever needs less force .
8. A wood screw is a type of screw that holds two boards together.
9. Simple machines change the direction or amount of force needed to do work.

### Part B: Matching

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Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Scissors	→ <u>Two levers joined together</u>	Wheel and axle
Slide	→ <u>Inclined plane</u>	Pulley
Doorknob	→ <u>Wheel and axle</u>	Inclined plane
Flagpole rope	→ <u>Pulley</u>	Two levers joined together