



# Simple Machines

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

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

Grade: Grade 3

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. A seesaw at the playground is an example of a \_\_\_\_\_ .
2. A \_\_\_\_\_ helps you raise a flag to the top of a pole.
3. An axe blade pushes wood apart because it is a \_\_\_\_\_ .
4. A jar lid works like a \_\_\_\_\_ because it has spiral grooves.
5. A doorknob turns around an \_\_\_\_\_ to open the door.
6. Sliding a heavy box up a ramp uses an inclined \_\_\_\_\_ .
7. A crowbar helps pry open a lid by acting as a \_\_\_\_\_ .
8. Simple machines do not reduce the total work, but they reduce the \_\_\_\_\_ needed.
9. A nail is a type of \_\_\_\_\_ that holds pieces of wood together.

## Part B: Matching

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

1. Match each item to its correct answer.

Wheel and axle	→ _____	Ramp to a building entrance
Screw	→ _____	Spiral inclined plane on a rod
Inclined plane	→ _____	Seesaw on a playground
Lever	→ _____	Doorknob that turns to open

## 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 seesaw at the playground is an example of a lever .
2. A pulley helps you raise a flag to the top of a pole.
3. An axe blade pushes wood apart because it is a wedge .
4. A jar lid works like a screw because it has spiral grooves.
5. A doorknob turns around an axle to open the door.
6. Sliding a heavy box up a ramp uses an inclined plane .
7. A crowbar helps pry open a lid by acting as a lever .
8. Simple machines do not reduce the total work, but they reduce the force needed.
9. A nail is a type of wedge that holds pieces of wood together.

### 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.

Wheel and axle	→ <u>Doorknob that turns to open</u>	Ramp to a building entrance
Screw	→ <u>Spiral inclined plane on a rod</u>	Spiral inclined plane on a rod
Inclined plane	→ <u>Ramp to a building entrance</u>	Seesaw on a playground
Lever	→ <u>Seesaw on a playground</u>	Doorknob that turns to open