



# Simple Machines

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

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

Grade: Grade 3

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. A skateboard ramp lets riders gain height by riding up an inclined \_\_\_\_\_ .
2. A paint-can opener pries the lid off by working as a \_\_\_\_\_ .
3. A corkscrew twists into a cork because it is shaped like a \_\_\_\_\_ .
4. A \_\_\_\_\_ is a grooved wheel with a rope that changes the direction of force.
5. The sharp blade of a hatchet pushes wood apart because it is a \_\_\_\_\_ .
6. A pencil sharpener turns a blade around a \_\_\_\_\_ to shave wood.
7. Mechanical \_\_\_\_\_ describes how much a machine multiplies your force.
8. An escalator is a moving inclined plane that carries people between \_\_\_\_\_ .
9. A teeter-totter balances when equal \_\_\_\_\_ sits on each side of the fulcrum.

## Part B: Matching

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

1. Match each item to its correct answer.

Axe blade	→ _____	Pulley
Bottle cap	→ _____	Wheel and axle
Roller skate wheel	→ _____	Screw
Tow-truck cable	→ _____	Wedge

## 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 skateboard ramp lets riders gain height by riding up an inclined plane .
2. A paint-can opener pries the lid off by working as a lever .
3. A corkscrew twists into a cork because it is shaped like a screw .
4. A pulley is a grooved wheel with a rope that changes the direction of force.
5. The sharp blade of a hatchet pushes wood apart because it is a wedge .
6. A pencil sharpener turns a blade around a axle to shave wood.
7. Mechanical advantage describes how much a machine multiplies your force.
8. An escalator is a moving inclined plane that carries people between floors .
9. A teeter-totter balances when equal weight sits on each side of the fulcrum.

### 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.

Axe blade	→ <u>Wedge</u>	Pulley
Bottle cap	→ <u>Screw</u>	Wheel and axle
Roller skate wheel	→ <u>Wheel and axle</u>	Screw
Tow-truck cable	→ <u>Pulley</u>	Wedge