



Simple Machines

Name: _____

Date: _____

Grade: Grade 3

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A ramp is an example of an inclined _____ .
2. A _____ changes the direction of a force using a rope and a grooved wheel.
3. The fixed point on which a lever turns is called the _____ .
4. A screw is really an inclined plane wrapped in a _____ shape.
5. A knife blade is an example of a _____ because it splits things apart.
6. A steering wheel is an example of a wheel and _____ .
7. Simple machines reduce the amount of _____ needed to do work.
8. A wheelchair ramp makes it easier to move up by increasing the _____ .
9. A bottle cap is removed by turning, which uses a _____ simple machine.

Part B: Matching

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

1. Match each item to its correct answer.

Lever	→ _____	Rope and wheel to lift loads
Inclined plane	→ _____	Bar that turns on a fulcrum
Wedge	→ _____	Flat sloping surface
Pulley	→ _____	Thin edge that splits things

Answer Key · Simple Machines · Grade: Grade 3

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A ramp is an example of an inclined plane .
2. A pulley changes the direction of a force using a rope and a grooved wheel.
3. The fixed point on which a lever turns is called the fulcrum .
4. A screw is really an inclined plane wrapped in a spiral shape.
5. A knife blade is an example of a wedge because it splits things apart.
6. A steering wheel is an example of a wheel and axle .
7. Simple machines reduce the amount of force needed to do work.
8. A wheelchair ramp makes it easier to move up by increasing the distance .
9. A bottle cap is removed by turning, which uses a screw simple machine.

Part B: Matching

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

1. Match each item to its correct answer.

Lever	→ <u>Bar that turns on a fulcrum</u>	Rope and wheel to lift loads
Inclined plane	→ <u>Flat sloping surface</u>	Bar that turns on a fulcrum
Wedge	→ <u>Thin edge that splits things</u>	Flat sloping surface
Pulley	→ <u>Rope and wheel to lift loads</u>	Thin edge that splits things