

Name: _____

Date: _____

1.

Use the picture below to answer this question.



The simple machine, shown by the arrow, that enables you to stop your bike is

- A. a pulley.
 - B. an inclined plane.
 - C. a wheel.
 - D. a lever.
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2. The picture below shows a seesaw.



A seesaw on a playground is an example of what type of simple machine?

- A. lever
- B. screw
- C. wedge
- D. wheel and axle

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3. A scientist wanted to conduct an experiment with special equipment that is very sensitive to sound. A place where the equipment would NOT be affected by sound waves is

- A. deep under water.
 - B. high in the air.
 - C. in a solid piece of granite.
 - D. in outer space.
-

4. Two astronauts walking on the Moon are trying to communicate with each other. Which way of communicating will NOT work for them?

- A. ringing a bell
 - B. flashing a light
 - C. using a radio
 - D. waving a hand
-

5.

A magnifying glass is an example of what type of lens?

- A. convex
 - B. concave
 - C. square
 - D. thick
-

6. Billy was pulling his wagon on the sidewalk. What should he do to keep the wagon moving?

- A. Walk behind the wagon.
 - B. Apply a force to the wagon.
 - C. Put a weight in the wagon.
 - D. Walk on the side of the wagon.
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7. When a ball is thrown into the air, it falls back to the ground. What causes this to happen?

- A. the round shape of the ball
 - B. the way the ball is thrown
 - C. the force of the air against the ball
 - D. the force of gravity on the ball
-

8. Jim's family just got a large, heavy box delivered to their house. The box was so heavy that they could not lift it. Jim's dad suggested that they turn a wooden board into a simple machine to make moving the box easier. They moved the board over the stairs and got the box inside easily.



Which kind of simple machine did Jim and his father use to move the box?

- A. a lever
 - B. a wheel
 - C. a pulley
 - D. an inclined plane
-

9. All sound is made by

- A. vibrations.
 - B. heat energy.
 - C. magnetism.
 - D. reflections.
-

10. Sound can travel fastest through

- A. air.
- B. metal.
- C. water.
- D. outer space.

Answer Key

1. D) a lever.
2. A) lever
3. D) in outer space.
4. A) ringing a bell
5. A) convex
6. B) Apply a force to the wagon.
7. D) the force of gravity on the ball
8. D) an inclined plane
9. A) vibrations.
10. B) metal.