

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

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

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1. In old movies, people sometimes put their ear on a railroad track to see if a train is coming. This works because the iron rail

- A. is heated by friction.
- B. carries the sound better than air.
- C. is cooler than air.
- D. is connected directly to the train.

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2. A push or pull on an object will make it

- A. smaller.
- B. larger.
- C. hot.
- D. move.

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3. Which simple machine would be BEST for lifting a piano to the second floor?

- A. gear
- B. screw
- C. wedge
- D. pulley

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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

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5. Which simple machine is used to hold objects together?

- A. hammer
- B. pulley
- C. screw
- D. wedge

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6. Which sound has a pitch that is MOST DIFFERENT from the other three sounds?

- A. fire alarm
  - B. train whistle
  - C. bouncing ball
  - D. smoke detector
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7. Which of these is a simple machine?

- A. a crayon
  - B. a wagon
  - C. a book
  - D. a paper clip
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8. Jezreel read that you can make a sound by blowing across the top of a bottle of water. She wants to do an experiment to find out how to make different sounds. She will use the same soda pop bottle in each of her experiments. Which change should she try to make different sounds?

- A. who listens to the sounds
  - B. the amount of water in the bottle
  - C. how she draws the graph
  - D. the time of the experiment
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9. Which is a simple machine?

- A. water
  - B. chair
  - C. pulley
  - D. candle
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10.

*Use the picture below to answer this question.*



Several simple machines are used to make a bicycle. Which is an example of a lever?

- A. the wheel
- B. the seat
- C. the brake
- D. the chain

**Answer Key**

1. B) carries the sound better than air.
2. D) move.
3. D) pulley
4. A) ringing a bell
5. C) screw
6. C) bouncing ball
7. B) a wagon
8. B) the amount of water in the bottle
9. C) pulley
10. C) the brake