

Name: _____

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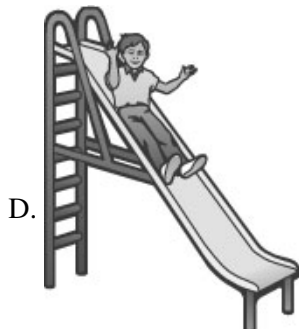
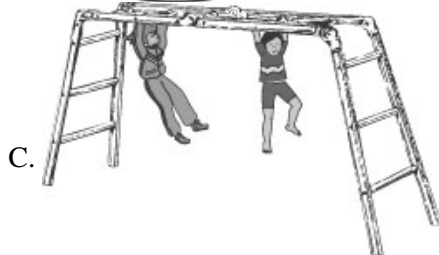
1. In old movies, people sometimes put their ear on a railroad track to see if a train is coming. This works because the iron rail

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

2. Hilda shouts "hey" in an empty hall at the shopping mall. The sound bounces off the walls and she hears "hey" over and over again. Hilda has just made

- A. a recording.
- B. an echo.
- C. a circuit.
- D. a wavelength.

3. Playgrounds have many simple machines. Which is an inclined plane?



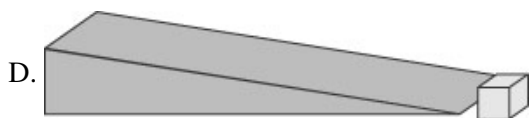
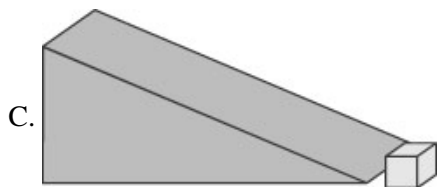
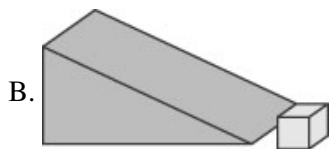
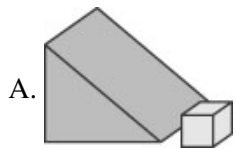
4. The Sun, a lightbulb, and a candle all give off light. How does the light from these things feel?

- A. dry
- B. wet
- C. cool
- D. warm

5. ALL sounds are caused by

- A. the vibration of objects or materials.
- B. sudden changes in temperature.
- C. air currents.
- D. electrical currents in air.

6. It is easiest to push a box up which ramp?



7. Ruth sat on the floor and played with a wooden spoon and a pan. If Ruth hit the pan with the spoon, it would sound most like a

- A. car horn.
 - B. crying baby.
 - C. drum.
 - D. train whistle.
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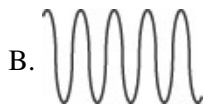
8. Jill shoots a basketball but it falls short of the hoop. Which should Jill do to make a score from the same place?

- A. use less force on the ball
 - B. use more pull on the ball
 - C. use more force on the ball
 - D. use less energy on the ball
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9. When light hits a dark object, most of the light is

- A. absorbed.
 - B. reflected.
 - C. diffused.
 - D. refracted.
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10. Which sound wave has the longest wavelength?



Answer Key

1. B) carries the sound better than air.
2. B) an echo.
3. D)
4. D) warm
5. A) the vibration of objects or materials.
6. D)

7. C) drum.
8. C) use more force on the ball
9. A) absorbed.
10. D)