

Name: _____

Date: _____

1. Which could help a person in a wheelchair get from the street onto the sidewalk?

- A. lever
 - B. inclined plane
 - C. screw
 - D. wheel and axle
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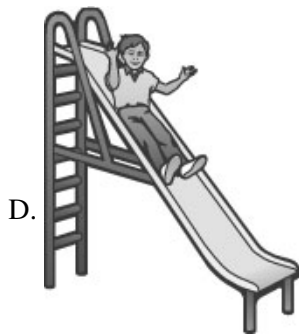
2. Which simple machine would be BEST for lifting a piano to the second floor?

- A. gear
 - B. screw
 - C. wedge
 - D. pulley
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3. Jane hears a fire truck siren that does not change in pitch or loudness. The fire truck is

- A. leaving the station.
 - B. parked at the station.
 - C. passing by the station.
 - D. coming toward the station.
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4. Playgrounds have many simple machines. Which is an inclined plane?



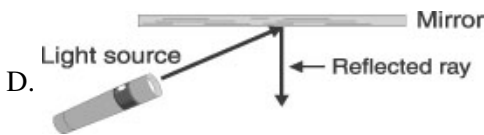
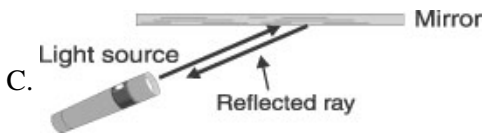
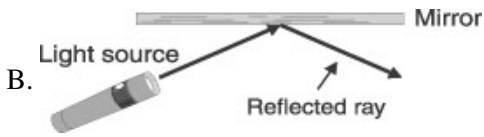
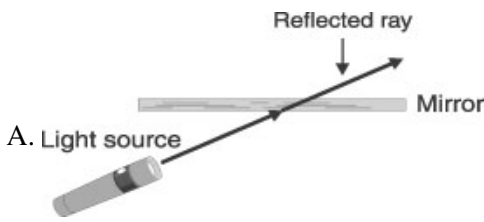
5. Which simple machine is used on a flagpole to help when the flag is raised?

- A. lever
- B. pulley
- C. inclined plane
- D. wedge

6. Mrs. Huang hears the horn of a train. At first the sound is not high in pitch. Next the sound gets higher in pitch. Then the sound gets lower in pitch. Which train movement would explain the changes in pitch?

- A. The train is stopped.
 - B. The train comes toward Mrs. Huang and then stops.
 - C. The train is moving away from Mrs. Huang.
 - D. The train comes toward Mrs. Huang, passes her, and then moves away.
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7. Which picture shows the correct reflected light ray?



8. 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

9. A guitar string makes a higher-pitched sound when you tighten the string. Which of the following explains why tightening the string causes this change?

- A. It changes the shape of the guitar.
 - B. It causes the string to get thinner.
 - C. Tightening the string makes it vibrate faster.
 - D. Tightening the string makes it longer.
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10. Which would make the softest sound?

- A. balloon popping
- B. hammer hitting a nail
- C. eraser hitting a chalkboard
- D. metal rod hitting a musical triangle

Answer Key

1. B) inclined plane
2. D) pulley
3. B) parked at the station.
4. D)
5. B) pulley
6. D) The train comes toward Mrs. Huang, passes her, and then moves away.
7. B)

8. A) ringing a bell
9. C) Tightening the string makes it vibrate faster.
10. C) eraser hitting a chalkboard