

Name _____

Date _____

Force

Read each question and circle the correct answer.

1. A force can _____.

A. make an object move

C. slow an object down

B. make a moving object stop moving

D. all of the above

2. True or False: An object resting on the ground **can** move without a force.

A. True

B. False

3. When you **push** or **pull** something, you are creating _____.

A. a weight

C. a force

B. a speed

D. a surface

4. What is friction?

A. a force that slows an object down

C. a force that makes an object start moving

B. a force that speeds an object up

D. a force that can move very heavy objects

5. If you want a surface to have less friction, make it _____.

A. wider

C. smoother

B. rougher

D. thinner

6. Which of the following would it take the **most** force to move?

A. a 3-pound ball

C. a 15-pound ball

B. a 5-pound ball

D. a 25-pound ball

7. Imagine you kick four balls with the same amount of force. Which one will go the **farthest**?

- A. a 3-pound ball
- B. a 5-pound ball

- C. a 15-pound ball
- D. a 25-pound ball

8. Which of the following would be the **easiest** to move?

- A. a 5-pound ball on grass
- B. a 5-pound ball on ice

- C. a 10-pound ball on grass
- D. a 10-pound ball on ice

9. Which of the following requires force to move?

- A. a book
- B. a rock

- C. an elephant
- D. all of the above

10. Which of the following people is the **least** affected by friction?

- A. a person trying to slide a box across grass
- B. a person trying to slide a box across sand

- C. a person trying to slide a box across ice
- D. a person trying to slide a box across concrete