

Name: _____

Time: _____ : _____ - _____ : _____ Date: _____

Motion

Choose the correct answer.

1. A person rubbing his or her hands together is an example of _____.



- deceleration
- friction

2. Which of the following is an example of friction?



A diver jumping into water



A boy sliding

3. Gravity and friction are examples of _____ which affect the speed or velocity of an object's motion.

forces

deceleration

State whether this picture shows gravity or friction.

4.



A parachutist

friction

gravity

5.



A boy pushing a toy tractor

friction

gravity

Choose the correct answer.

6. Which of the following is an example of gravity?



A boy skiing



Apples falling from a tree

7. Which statement best explains the difference between speed and velocity?



- Velocity includes speed and direction, and speed is the distance the object travels per unit time.
- Velocity is measured much the same way as speed, but speed is only measured in one direction.

8. Friction _____ the motion and speed of an object.

- increases
- decreases

State whether the following statement is true or false.

9. Speed can be measured only in miles per hour.

- True
- False

Choose the correct answer.

10. Which of the following is a natural phenomenon by which all things attract one another?

- friction
- gravity

State whether the following statement is true or false.

11. Without gravity, people on Earth would fall to the ground.

- True
- False

12. Deceleration is a special kind of acceleration, which causes the speed of an object to decrease.

- True
- False

Choose the correct answer.

13. The attraction of objects to the Earth's surface is an example of _____.

- gravity
- pushing

State whether the following statement is true or false.

14. Friction is an example of a force which may change an object's motion.

- True
- False

Choose the correct answer.

15. Motion is one of the main topics in the field of science called _____ .

- astronomy
- physics