

Assessment**Section Quiz****Section: Newton's Laws of Motion**

Match the correct description with the correct term. Write the letter in the space provided.

_____ 1. The tendency of all objects is to resist any change in motion.

_____ 2. An object at rest remains at rest, and an object in motion remains in motion at constant speed and in a straight line unless acted on by an unbalanced force.

_____ 3. All forces act in pairs.

_____ 4. The acceleration of an object depends on its mass and the amount of force applied.

_____ a. Newton's first law of motion

_____ b. Newton's second law of motion

_____ c. Newton's third law of motion

_____ d. inertia

Write the letter of the correct answer in the space provided.

_____ 5. The reaction force of a chair you are sitting on

- a. is greater than your weight.
- b. is equal to your weight.
- c. is determined by many factors.
- d. varies.

_____ 6. Which of the following is the equation for Newton's second law of motion?

- a. $F = m \times a$
- b. $m = F \times a$
- c. $a = m \div F$
- d. $F = m \div a$

_____ 7. Which is a common unbalanced force acting on objects in motion?

- a. inertia
- b. acceleration
- c. friction
- d. speed