

Name: _____ Date: _____

Section: What Is a Force?

Section Review

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

- | | |
|---|--------------|
| _____ 1. a push or a pull exerted on an object in order to change the object's position | a. newton |
| _____ 2. the SI unit for force | b. force |
| _____ 3. the combination of all forces acting on an object | c. net force |

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

- _____ 4. Which of the following choices best represents force?
a. a push or a pull always causing motion
b. a push or a pull always causing acceleration
c. a push or a pull acting without an object
d. a push or a pull acting on an object
- _____ 5. Which of the following best determines the net force when more than one force is acting on an object?
a. a combination of all motions of an object
b. a combination of all motions of an object in two directions
c. a combination of all forces acting on an object
d. a combination of forces acting on an object in two directions
- _____ 6. When the net forces equal 0 N, they are which of the following?
a. balanced b. unbalanced c. a push d. a pull
- _____ 7. Which of the following always causes change in speed, direction, or both?
a. balanced forces c. either balanced or unbalanced forces
b. unbalanced forces d. any combination of forces
- _____ 8. Which of the following causes an object to start moving?
a. balanced forces
b. unbalanced forces
c. either balanced or unbalanced forces
d. any combination of forces

9. Explain the difference between balanced and unbalanced forces.

10. Give an example of an unbalanced force causing a change in motion.

11. Give an example of an object that has balanced forces acting on it.

MATH SKILLS

12. A boy pulls a wagon with a force of 6 N east as another boy pushes it with a force of 4 N east. What is the net force?