Name Period Date

Combining Forces Open Book Quiz

1. In science, a force is .

2. When one object pushes or pulls another object, the first object is a force on the second object.

3. Circle the letters of the two ways that forces are described.

a. direction c. strength

b. velocity d. acceleration

4. The SI unit used to measure the strength of a force is the .

5. The overall force on an object after all the forces are added together is called the .

6. When two forces act in the same direction, they are together.

7. Adding a force acting in one direction to a force acting in the opposite direction is the same as adding a(n) number and a(n) number.

8. Unbalanced forces can cause an object to change its motion in three ways. What are they?

9. Is the following sentence true or false? Unbalanced forces acting on an object will change the object’s motion.

10. Equal forces acting on one object in opposite directions are called

11. Is the following sentence true or false? Balanced forces acting on an object will change the object’s motion.

12. When you add equal forces exerted in opposite directions, the net force is