Vocabulary Review (5 pts. each)

1. friction
2. force
3. weight
4. acceleration
5. motion
6. inertia
7. gravitation
8. velocity
9. speed
10. position

Check Understanding (5 pts. each)

11. B, gravitation
12. G, weight and inertia
13. B, speed
14. J, its velocity
15. C, gravity
16. F, acceleration

CHAPTER 16

Review and Test Preparation

Vocabulary Review

Use the terms below to complete the sentences. The page numbers tell you where to look in the chapter if you need help.

position p. 660
motion p. 660
speed p. 662
velocity p. 670
acceleration p. 671
force p. 672
inertia p. 674
gravitation p. 681
weight p. 682
friction p. 683

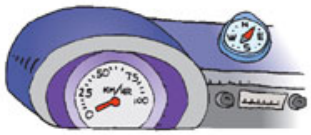
1. The force that slows or stops the motion of objects, relative to each other, when the objects are touching is _____.
2. A push or pull measured in newtons is a _____.
3. The measurement of the gravity acting on an object is the object's _____.
4. A change in velocity is _____.
5. A change in position is _____.
6. The property that describes an object's resistance to changing its motion is _____.
7. The force of attraction that exists between any two masses anywhere in the universe is _____.
8. Speed and direction taken together are _____.
9. The distance an object travels divided by the time it takes to travel is its _____.
10. An object's location is its _____.

Check Understanding

Write the letter of the best choice.

11. **MAIN IDEA AND DETAILS** What force holds the moon in its orbit around Earth?
    A. friction **C.** position
    B. gravitation **D.** weight
12. If an object has a large mass on Earth, what else does it have a lot of?
    F. inertia and volume
    G. weight and inertia
    H. weight and speed
    J. weight and volume

Use the picture to answer Questions 13 and 14.



13. A dial in the picture tells you how many kilometers per hour the car is going. What does this measure?
    A. acceleration **C.** velocity
    B. speed **D.** weight

Online Assessment may be used for electronic assessment.
www.hspscience.com

Portfolio Assessment

Have students select their best work from the following suggestions:

- **Investigate,** pp. 658, 668, 678
- **Make Connections,** pp. 665, 675, 685

See ***Assessment Guide*** pp. xx–xxiv.