

CHAPTER REVIEW

Chapter

1**Forces and Pressure****I. Vocabulary Review**

In the blank, write the word or words that best complete the sentence.

1. A force that occurs with every action force is called a(n) _____.
2. Force due to gravity is _____.
3. Mass times acceleration is _____.
4. Resistance to change in motion is _____.
5. The standard unit of force is the _____.
6. Balanced forces _____ each other out.
7. Weight or force per unit area is _____.
8. The upward force of water is the _____.

II. Concept Review

In the blank at the left, write the letter of the choice that best completes the statement or answers the question.

- _____ 9. Mass is a measure of _____.
a. inertia b. velocity c. weight d. pressure
- _____ 10. According to Newton's First Law of Motion, if a space ship turns off its thrusters, what would happen?
a. It would stop immediately.
b. It would slow and then stop.
c. It would continue on course at a constant velocity.
d. It would continue on course, but accelerate.
- _____ 11. Sandpaper is harder to pull out from under a mass than notebook paper as a result of _____.
a. pressure b. inertia c. friction d. weight
- _____ 12. If you know an object's acceleration and the force causing the acceleration, you can determine the object's _____.
a. pressure b. weight c. speed d. mass
- _____ 13. For every action force, a reaction force occurs that is _____ to the action force.
a. equal and identical c. equal and opposite
b. not equal but identical d. not equal but opposite
- _____ 14. Compared with a small pressure on an object, a large pressure on the same object requires _____.
a. more force b. less force c. the same force d. no force

