

Science: Motion
Chapter 11, Lesson 1: Forces and Motion

Name _____ Date _____

1. What is the definition of position? page 590

2. What is the definition of motion? page 590

3. Speed is how _____ an object's position changes with time at page 592
any given moment. Speed is calculated by dividing the _____
traveled by the _____ taken to travel.

4. What is the definition of velocity? page 593

5. Any push or pull on an object is called _____. page 594

6. The downward force of Earth's _____ on all objects is a page 594
continuous force called _____.

7. Describe a time in your life when you experienced momentary force. page 595

8. _____ is a force that pushes up on floating objects in fluid. page 596

9. _____ force is an _____ that exists between any two objects, such as gravity that pulls objects towards Earth. page 596

10. _____ is a force that opposes the motion of an object. page 596

11. Describe each type of friction listed. page 596

- Static friction
- Sliding friction
- Rolling friction

12. When an object moves through any liquid or any gas, such as air, a force called _____ force opposes the motion. page 597

13. What is Newton's first law of motion? page 600

14. _____ is the tendency of an object to keep moving at the same speed and in the same direction. page 600

15. Describe a time in your life when you experienced a sudden change in motion. What caused the change in motion? How did the change impact you?