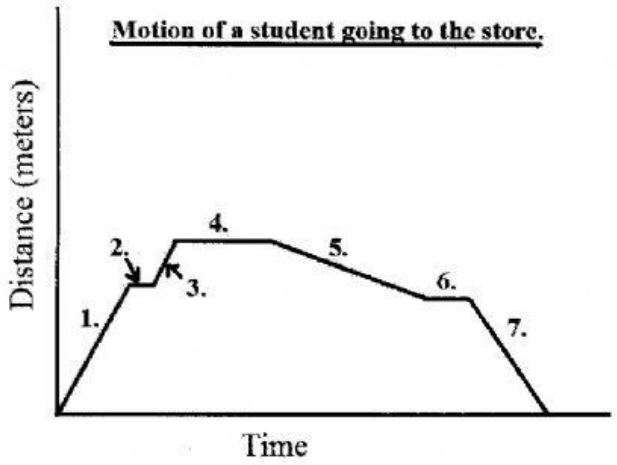
Chapter 9 Study Guide

WORD BANK: (SOME WORDS WILL NOT BE USED)

m/s^2	**constant velocity**	**velocity**	**accelerates**	**km/h^2**
bicycle		**motion**	**instantaneous**	**building**
average	**acceleration**			

1. Speed measured on a speedometer is _____ speed.
2. When riding a bicycle past a building, you are not moving relative to the _____.
3. A golf ball _____ when either its speed or its direction changes.
4. The abbreviation of the unit of acceleration (meters per second^2) is _____.
5. A change in an object's position relative to a reference point is called _____.
6. Speed that does not change is referred to as _____ speed.
7. The statement that the motion of a hurricane is 20 kilometers per hour in an easterly direction is a description of the hurricane's _____.
8. Acceleration is the rate of change in _____.



____ 12. Which part of the trip took the longest amount of time?
   a. The part of the trip represented by line 1.
   b. The part of the trip represented by line 7.
   c. The trip to the store.
   d. The home from the store.

____ 13. The parts of the graph show that the student was stopped are _____
   a. 1. and 3.
   b. 5. and 7.
   c. 2. 4. and 6.
   d. 1. and 7.

____ 14. Which one of the following statements is true about the motion of the student.
   a. The students speed was ***slower*** **along line 1. than along line 5.**
   b. The students speed was ***fastest*** **along line 5.**
   c. The students speed was ***faster*** **along line 1. than along line 5.**
   d. The students speed was ***slowest*** **along line 1.**

____ 15. The parts of the graph that show the students return trip are _____
   a. 1. and 2.
   b. 1. 2. and 3.
   c. 3. 4. and 5.
   d. 5. 6. and 7.