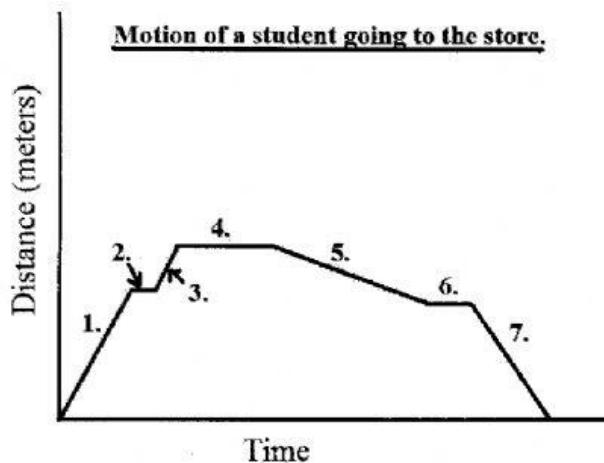


Chapter 9 Study Guide

WORD BANK: (SOME WORDS WILL NOT BE USED)

m/s^2	constant	velocity	accelerates	km/h^2
bicycle	velocity	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 second²) 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 student's speed was **slower** along line 1. than along line 5.
 - b. The student's speed was **fastest** along line 5.
 - c. The student's speed was **faster** along line 1. than along line 5.
 - d. The student's speed was **slowest** along line 1.
15. The parts of the graph that show the student's return trip are _____.
 - a. 1. and 2.
 - b. 1. 2. and 3.
 - c. 3. 4. and 5.
 - d. 5. 6. and 7.