

Chapter 9 Study Guide

WORD BANK: (SOME WORDS WILL NOT BE USED)

m/s²

bicycle

average

constant

velocity

acceleration

velocity

motion

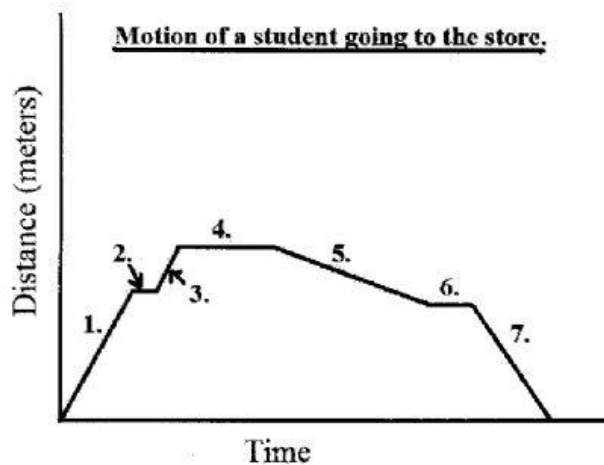
accelerates

instantaneous

km/h²

building

- Speed measured on a speedometer is _____ speed.
- When riding a bicycle past a building, you are not moving relative to the _____.
- A golf ball _____ when either its speed or its direction changes.
- The abbreviation of the unit of acceleration (meters per second²) is _____.
- A change in an object's position relative to a reference point is called _____.
- Speed that does not change is referred to as _____ speed.
- The statement that the motion of a hurricane is 20 kilometers per hour in an easterly direction is a description of the hurricane's _____.
- Acceleration is the rate of change in _____.



- Which part of the trip took the longest amount of time?
 - The part of the trip represented by line 1.
 - The part of the trip represented by line 7.
 - The trip to the store.
 - The home from the store.
- The parts of the graph show that the student was stopped are _____.
 1. and 3.
 5. and 7.
 2. 4. and 6.
 1. and 7.
- Which one of the following statements is true about the motion of the student.
 - The students speed was **slower** along line 1. than along line 5.
 - The students speed was **fastest** along line 5.
 - The students speed was **faster** along line 1. than along line 5.
 - The students speed was **slowest** along line 1.
- The parts of the graph that show the students return trip are _____.
 1. and 2.
 1. 2. and 3.
 3. 4. and 5.
 5. 6. and 7.