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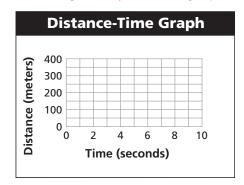
Name	Class	Date	
Chapter 11 Motion			
Section 11.2 Spec (pages 332–337) This section defines and compo- calculate average speed.		•	
Reading Strategy (page 3 Monitoring Your Understa several things you have lead they are relevant to you. Fo the Reading and Study Ski end of your textbook.	nding After you re rned that are releva r more information	ead this section, identify int to your life. Explain why on this Reading Strategy, see d Reference Handbook at the	
Facts About Speed and Velocity			
	Why It Is Importa		
Speed (pages 332-334) 1. Define speed.			
2. Circle the letter of each speed or average speed		e for either instantaneous	
a. It is measured in metb. It is measured at a pac. It is computed for an	rticular instance.		
		can determine how fast you culating average speed for the	

- entire trip.
- **4.** A student walked 2 km in .5 hour. Circle the letter of his average speed on the way to school.
 - a. 0.5 km/h
 - b. 1.5 km/h
 - c. 4.0 km/h

Chapter 11 Motion

Graphing Motion (page 334)

For questions 5 through 8, refer to the graph below.



- **5.** Draw a point on the graph that represents 200 m traveled in 4 seconds. Draw a line connecting this point with the origin (0,0). Label this as line A.
- 6. Draw a point on the graph that represents 100 m traveled in 10 seconds. Draw a line connecting this point with the origin (0,0). Label this as line B.
- 7. Circle the letter of the average speed (slope) of line A.
 - a. 10 m/s
- $b.20 \,\mathrm{m/s}$
- $c. 50 \,\mathrm{m/s}$
- 8. Circle the letter of the average speed (slope) of line B.
 - a. 10 m/s
- $b.20 \,\mathrm{m/s}$
- $c. 50 \, \text{m/s}$

Velocity (page 336)

- **9.** Circle the letter of each sentence that describes a change in velocity.
 - a. A moving object gains speed.
 - b. A moving object changes direction.
 - c. A moving object moves in a straight line at a constant speed.
- 10. Is the following sentence true or false? If a car travels around a gentle curve on a highway at 60 km/h, the velocity does not change.

Combining Velocities (page 337)

- 11. How do velocities combine? Circle the correct answer.
 - a. by vector addition
 - b. by vector subtraction
 - c. by vector graphing