

Motion Vocabulary Worksheet

PART 1

Directions: Match the definition with the correct term.

- _____ 1. Speed plus direction of motion
- _____ 2. How quickly an object changes position over time
- _____ 3. A measure in the change in velocity over time
- _____ 4. Something that is not moving with respect to
An observer that can used to detect motion
- _____ 5. Location
- _____ 6. Change in position
- _____ 7. Total length of route between two points
- _____ 8. A quantity that includes both size and direction
- _____ 9. Straight line distance from starting point to ending point
- _____ 10. A quantity that only measures magnitude

Word Bank

- a. Acceleration
- b. Displacement
- c. Motion
- d. Speed
- e. Velocity
- f. Position
- g. Frame of reference
- h. Distance
- i. Scalar
- j. vector

Part 2

Directions: Fill in the blank with the appropriate term.

- 1. The SI unit for speed is _____.
- 2. Velocity is a vector because it includes both size and _____.
- 3. A change in speed, direction, or both is called _____.
- 4. Acceleration is a(n) _____ because it includes both size and direction.
- 5. If a car is increasing in speed, its acceleration is also _____.
- 6. Speed is one way to measure _____.
- 7. The perception of motion depends on a person's _____.
- 8. The SI unit for acceleration is _____.

Name: _____ Period: _____ Date: _____

9. An object's _____ measures the exact distance between where you start and end, while the _____ measures the total length of travel between the points.
10. _____ is how quickly you move, whereas _____ also includes direction.

Word Bank (Fill-in-the-Blank)

Displacement	speed	acceleration	m/s
Motion	Frame of reference	direction	
Increasing	m/s^2	velocity	distance
Vector	scalar		