Name: _____ Period: _____ Date: _____

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 _____.

LIVEWORKSHEETS

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

LIVEWORKSHEETS