Introduction to Motion-The Hare and the Tortoise Part I - key

**Motion Terminology Matching (Physics Chapter 12)**

Match the terms in the vocabulary box with their descriptions below. Each term can only be used once.

average velocity position-time Graph time

distance (displacement-time graph) time interval

displacement positive slope uniform motion

magnitude scalar velocity

negative Slope vector zero slope

position speed slope

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| Term | Definition |
| A. | 1. A value that has only magnitude, not direction.  |
| B.  | 2. A measurement or value that has both magnitude and direction. |
| C.  | 3. A scalar that describes the length of the path between two points. (Δd) |
| D.  | 4. The distance and direction of a straight line between two points (Δd). |
| E.  | 5. A vector that describe a specific point relative to a reference point. (d) |
| F. | 6. When an event occurs. (t) |
| G. | 7. The time difference between two events. (Δt)  |
| H. | 8. Motion that is constant in both direction and speed.  |
| I. | 9. Change in y-axis over change in x-axis.  |
| J. | 10.  |
| K. | 11. |
| L. | 12. |
| M. | 13. A scalar quantity of the distance moved per unit of time. |
| N.  | 14. A vector quantity of the direction and displacement moved per unit time (Δv) |
| O. | 15. A measurement of an amount or quantity.  |
| P. | 16. A graphic representation of the motion of objects. Can be used to determine velocity.  |
| Q.  | The velocity of an object over a given time interval. (Δvav) |