

REPRESENTING MOTION

Vocabulary Review

Write the term that correctly completes the:

average speed

instantan

resultant

average velocity

position

scalar

coordinate system

instantaneous velocity

position

time interval

displacement

magnitude

position-time graph

vector

distance

motion diagram

1. instantaneous velocity

The speed and direction of an object at a particular instant is the _____.

2. magnitude

Another term given for the size of a quantity is the _____.

3. position

The _____ is the location of an object relative to an origin.

4. time intervalThe formula $t_f - t_i$ represents _____.5. vector

A _____ is a quantity with both magnitude and direction.

6. average velocity

Ratio of the change in position to the time interval during which the change occurred is the _____.

7. coordinate system

A system that defines the zero point of the variable you are studying is the _____.

8. origin

The zero point is also called the _____.

9. position-time graph

A graph with time data on the horizontal axis and position data on the vertical axis is a _____.

10. motion diagram

A _____ shows a series of images showing the position of a moving object over equal time intervals.

11. resultant

A vector that represents the sum of two or more vectors is a _____.

12. particle model

A simplified motion diagram that shows the object in motion as a series of points is a _____.

13. distance

A scalar quantity that is the length, or size, of the displacement vector is _____.

14. scalar

A quantity that has only magnitude is _____.

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Kelli Allen

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