

**Chapter 11 Motion****WordWise**

Complete the sentences by using one of the scrambled vocabulary words below.

vrlaeit oinotm

levotciy

esdep

atnicoelecar

mefar fo ecrneeefr

nerlia

erfe lafl

rotcev

gvaeera dspee

centidsa

aulsettrn crovet

nnilraeon

An expression for \_\_\_\_\_ is  $(v_f - v_i)/t$ .

A quantity that has both magnitude and direction is called a(n) \_\_\_\_\_.

The total distance traveled divided by the total time is \_\_\_\_\_.

A speed-time graph in which data points form a straight line is an example of a(n) \_\_\_\_\_ graph.

Common units for \_\_\_\_\_ include meters per second (m/s).

In order to accurately and completely describe the motion of an object, a(n) \_\_\_\_\_ is necessary.

You can determine \_\_\_\_\_ by measuring the length of the actual path between two points in space.

Two or more vectors combine to form a(n) \_\_\_\_\_.

Objects in \_\_\_\_\_ accelerate at  $9.8 \text{ m/s}^2$ .

A curve often connects data points on a(n) \_\_\_\_\_ graph.

Together, the speed and direction in which an object is moving are called \_\_\_\_\_.

Movement in relation to a frame of reference is \_\_\_\_\_.