

Section 8.1

The Language of Motion

Before You Read



1. Words to Know

Directions: Match the correct definition to the term on the left.
Scan pages 344 – 354 to find the definitions.

Words to Know	Definition
_____ displacement	A. quantities that describe magnitude and also include direction
_____ distance	B. quantities that describe magnitude but do not include direction
_____ position	C. a reference to how much the line on a distance-time graph changes vertically as it changes horizontally
_____ position-time graph	D. a vector quantity that describes a specific point relative to a reference point
_____ scalars	E. the straight-line distance and direction from one point to another
_____ slope	F. an object that travels equal displacements in equal time intervals
_____ uniform motion	G. A representation of an object's position during corresponding time intervals that allows us to analyze the motion
_____ vectors	H. a scalar quantity that describes the length of a path between two points or locations

2. Predicting the Main Ideas of Section 8.1

Directions: Scan pages 344 – 354 looking at the pictures and titles within this section. Predict five things you think you will learn in this section.

1. _____

2. _____

3. _____

4. _____

5. _____

