

## Reading Tip

Read a paragraph containing a vocabulary word from beginning to end. Then go back to determine the meaning of the word.

### Target Your Reading

Use this to focus on the main ideas as you read the chapter.

- 1 Before you read** the chapter, respond to the statements below on your worksheet or on a numbered sheet of paper.
  - Write an **A** if you **agree** with the statement.
  - Write a **D** if you **disagree** with the statement.
- 2 After you read** the chapter, look back to this page to see if you've changed your mind about any of the statements.
  - If any of your answers changed, explain why.
  - Change any false statements into true statements.
  - Use your revised statements as a study guide.

Before You Read A or D	Statement	After You Read A or D
	1 There can be no sound in outer space.	
	2 Light waves are mechanical waves that can travel only through matter.	
	3 Waves are produced by something that vibrates.	
	4 In air, sound waves travel faster than light waves.	
	5 The pitch of a sound wave depends on the frequency of the wave.	
	6 The only difference between microwaves and light waves is that microwaves have longer wavelengths.	
	7 A wave moves in a straight line, even if the speed of the wave changes.	
	8 Higher-pitched sounds bend more as they pass through an open door than lower-pitched sounds do.	
	9 When two waves overlap, they always cancel each other.	