

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.	