

Reading Tip

Forming your own mental images will help you remember what you read.

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 An electromagnetic wave is a mechanical wave.	
	2 An electromagnetic wave is produced by a moving particle.	
	3 A moving electric charge is surrounded by an electric field and a magnetic field.	
	4 All electromagnetic waves travel at the same speed in empty space.	
	5 Radio waves have the highest frequencies in the electromagnetic spectrum.	
	6 The Sun emits mostly ultraviolet waves.	
	7 Most telecommunication devices use radio waves to transmit information.	
	8 A loudspeaker converts sound waves into electromagnetic waves.	
	9 Radio waves can travel through Earth.	