

Target Your Reading

The Ear and Sound

CHAPTER 12

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. Sounds made with greater energy have greater loudness.	
	2. Sound travels in a wave pattern.	
	3. Hearing damage is irreversible.	
	4. A sound that measures 80 decibels is 4 times louder than a sound that measures 20 decibels.	
	5. Mice are not able to hear normal human speech.	
	6. Human hearing depends upon tiny hairs.	
	7. The smallest bones in your body are in your ear.	
	8. Hearing damage is caused by sounds over 70 decibels.	
	9. Cats are able to find their way in the dark by listening for the echo of the high-pitched noises they make that humans cannot hear.	
	10. Although you cannot hear very low sounds, you can sense them as they pass through your body.	