

Target Your Reading

Understanding the Atom

CHAPTER 4

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

- 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.
- 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 atom is the smallest particle of matter.	
	2. The idea of an atom was already being discussed by the Greeks in 400 B.C.	
	3. Dalton's atom is a uniform sphere of matter.	
	4. Thomson discovered a positively charged particle called an electron.	
	5. Rutherford demonstrated that the atom was mostly empty space.	
	6. In the current model of the atom, the nucleus of the atom is at the center of an electron cloud.	
	7. A filled outer energy level means that an atom will combine with other atoms.	
	8. You can determine the number of protons, neutrons, and electrons from the mass number.	
	9. Isotopes of the same element have the same number of protons but different numbers of electrons.	