

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 Early philosophers studied atoms by doing experiments.	
	2 Crooke determined that the beam he observed must have been light because it was bent by a magnet.	
	3 Rutherford expected the alpha particles to bounce back from the gold foil.	
	4 Atoms are made of mostly empty space.	
	5 Neutrons have no charge.	
	6 Electrons travel in very predictable paths around the nucleus.	
	7 All atoms of an element have the same number of protons and neutrons.	
	8 Atoms of one element can change into atoms of another element through radioactive decay.	
	9 Radioactive isotopes are too dangerous to be of any benefit to humans.	