

Target Your Reading

Genetics

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. A gene is a selection of RNA that has information about a specific trait. | |
| | 2. Only the genotype determines the phenotype. | |
| | 3. The movement of chromosomes during meiosis supports Mendel's law of independent assortment. | |
| | 4. Mendel's ideas about inheritance remain true today. | |
| | 5. Plant breeders do not need to use tools to predict traits. | |
| | 6. For accurate genetic studies, a few offspring are just as good as many offspring. | |
| | 7. All inherited traits follow Mendel's patterns of inheritance. | |
| | 8. Every trait is determined by just one gene. | |
| | 9. Humans inherit mitochondrial genes from both parents. | |