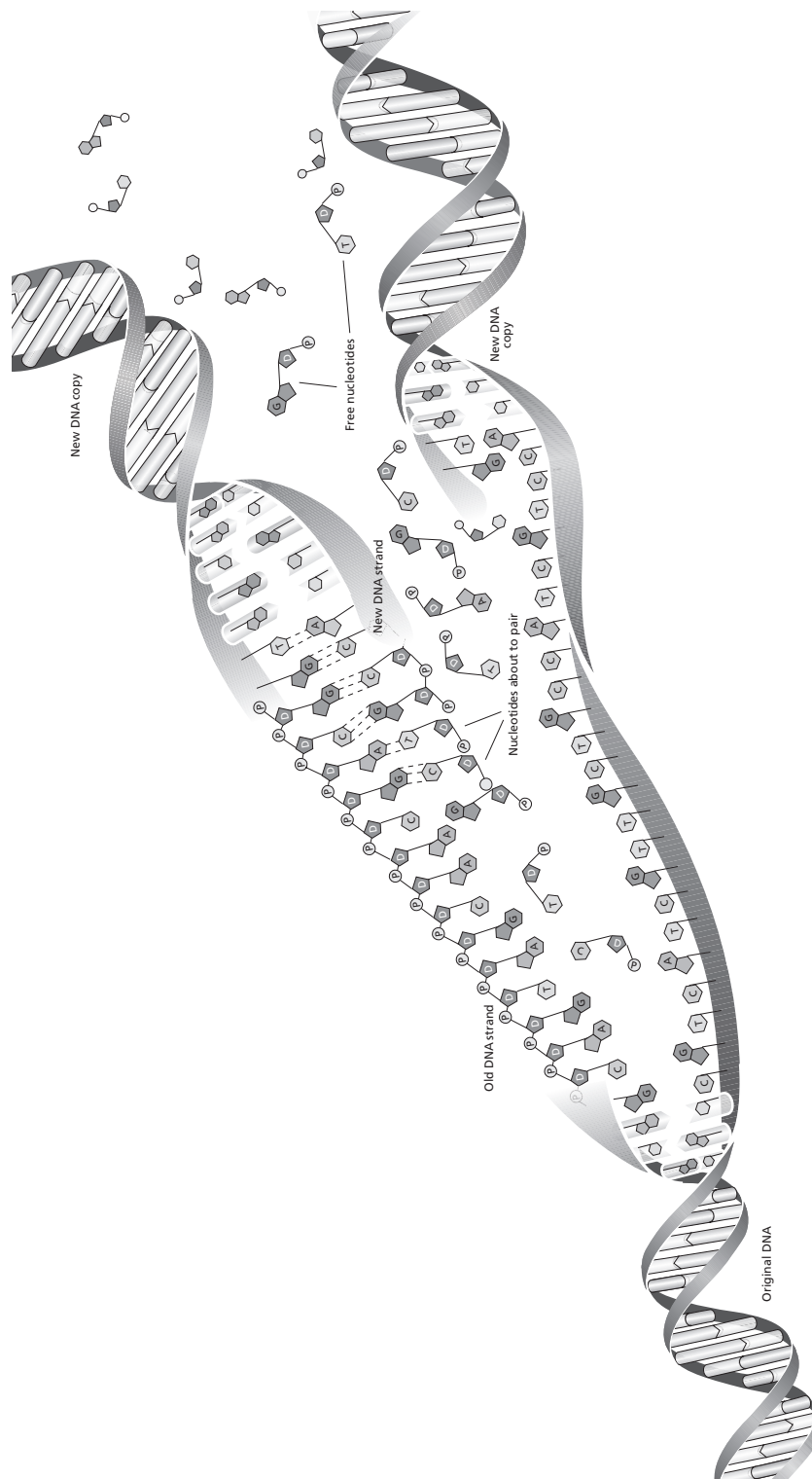


Master 16

DNA Replication

Basic Concepts

Use with Chapter 11, Section 11.1



Worksheet

16

DNA Replication

Basic Concepts

Use with Chapter 11, Section 11.1

1. What is the first step in the process of DNA replication?

2. How does each separated strand begin to rebuild a new strand?

3. What is the origin of each strand in the replicated DNA?

4. What kind of substance facilitates the hydrogen bonding of nucleotides into a new DNA molecule?

5. If the sequence of bases in one strand of DNA is C-A-A-G-T, what is the sequence of bases on the matching strand?

6. What is the result of the replication of one molecule of DNA?

7. Explain how DNA replication ensures continuity of form and function from one cell generation to the next.
