

## Master

## 16

## DNA Replication

## Basic Concepts

Use with Chapter 11, Section 11.1



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

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

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

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

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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?

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

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

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