

**Chapter Guide****CHAPTER 12****Section 2: Replication of DNA**

In your textbook, read about semiconservative replication.

Match the description in *Column A* with the term in *Column B*.

**Column A**

- E 1. unwinds in multiple areas as DNA is replicated
- A 2. parental strands separate and serve as templates for new strands of DNA
- F 3. the DNA of prokaryotes
- C 4. keep the strands of DNA separate during replication
- D 5. elongates as DNA unwinds and is replicated continuously
- B 6. unwinds the double helix

**Column B**

- A. semiconservative replication
- B. DNA helicase
- C. single-stranded binding proteins
- D. leading strand
- E. eukaryotic DNA
- F. circular DNA

In your textbook, read about base pairing.

Label the diagram showing DNA replication. Use these choices:

DNA ligase

DNA polymerase

leading strand

Okazaki fragments

parental DNA

7. leading strand

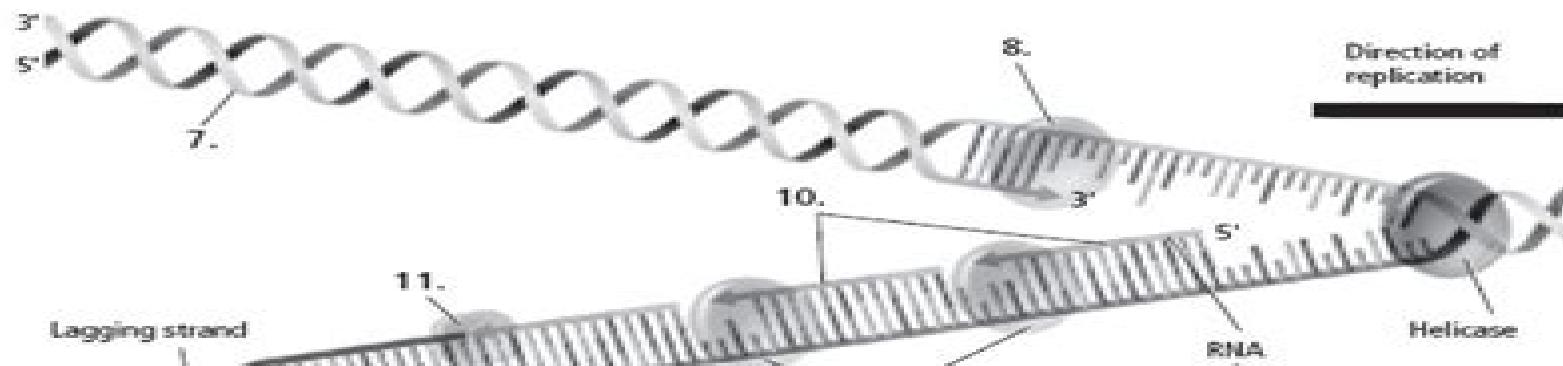
10. okazaki fragments

8. DNA polymerase

11. dna ligates

9.

12.



## Study Guide Section 2 Replication Of Dna

**Robert J. Brooker, Brooker Robert**

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