

## Chapter

## 11

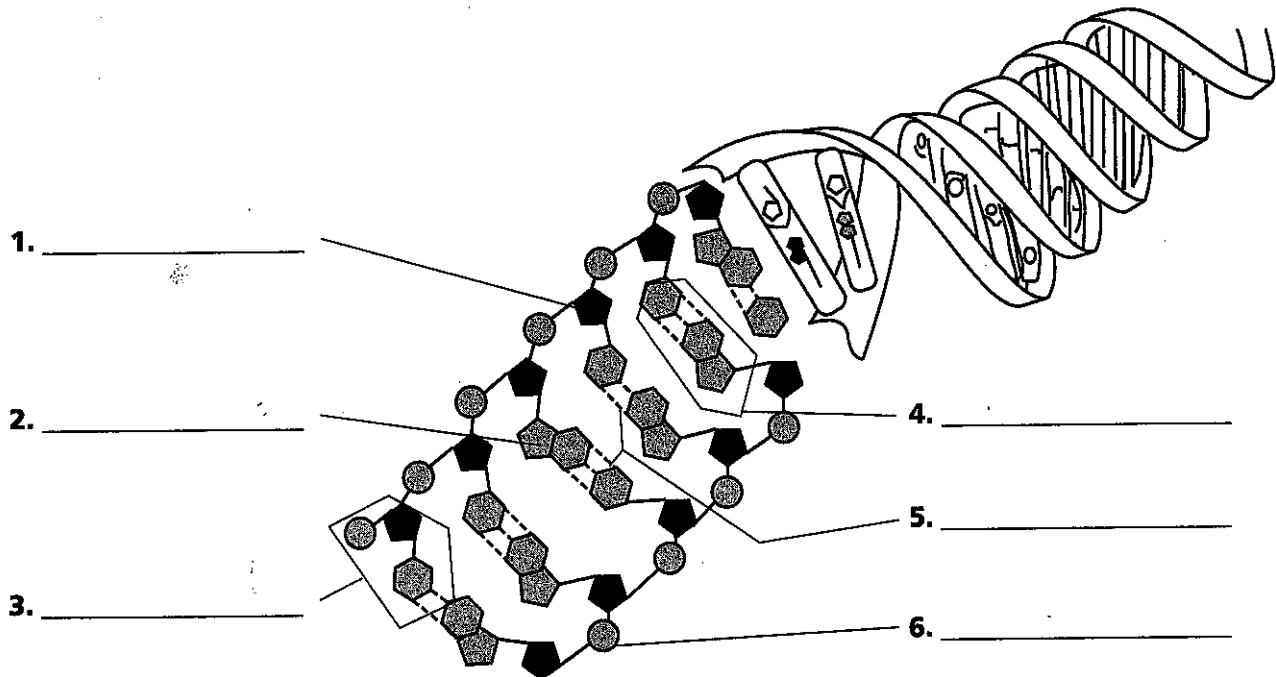
## DNA and Genes

## Reinforcement and Study Guide

## Section 11.1 DNA: The Molecule of Heredity

*In your textbook, read about what DNA is and the replication of DNA.*

Label the diagram. Use these choices: nucleotide, deoxyribose, phosphate group, nitrogenous base, hydrogen bonds, base pair.

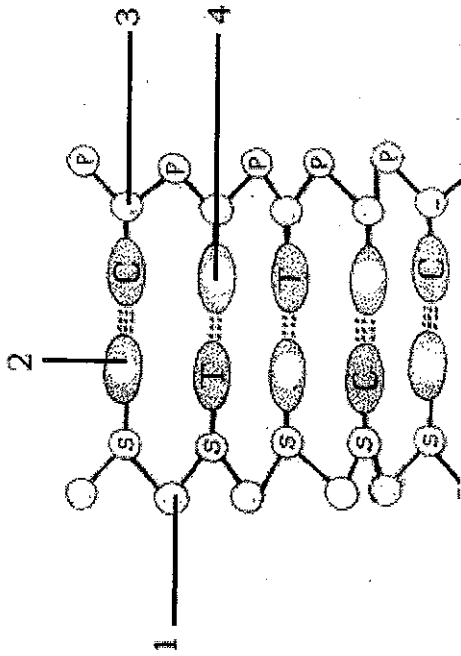


Complete each statement.

7. \_\_\_\_\_, guanine (G), cytosine (C), and thymine (T) are the four \_\_\_\_\_ in DNA.
8. In DNA, \_\_\_\_\_ always forms hydrogen bonds with guanine (G).
9. The sequence of \_\_\_\_\_ carries the genetic information of an organism.
10. The process of \_\_\_\_\_ produces a new copy of an organism's genetic information, which is passed on to a new cell.
11. The double-coiled shape of DNA is called a \_\_\_\_\_.

Name \_\_\_\_\_

### DNA Labeling

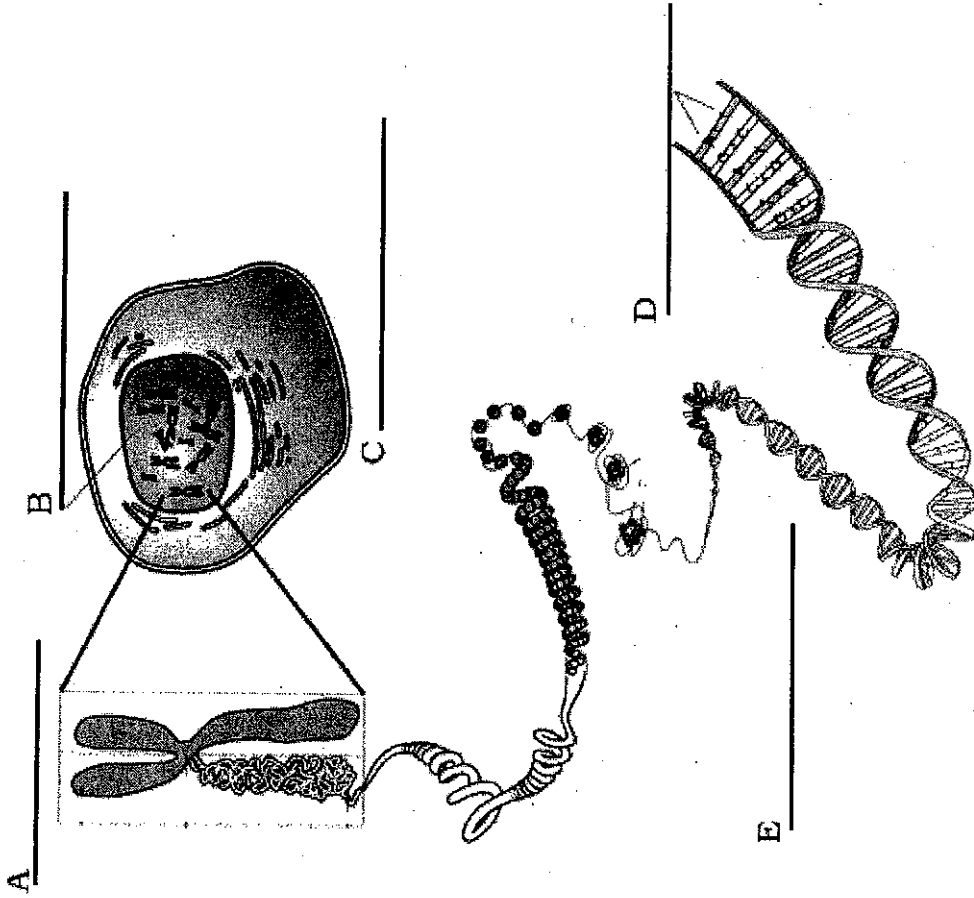
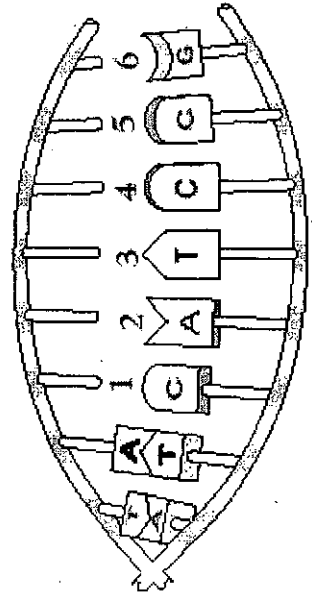


1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

Word Bank:

Adenine  
Sugar  
Guanine  
Phosphate

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_



Word Bank: [ Cell | DNA | Base Pairs | Nucleus | Chromosome ]