

Name \_\_\_\_\_

Date \_\_\_\_\_

Class \_\_\_\_\_

**Chapter**

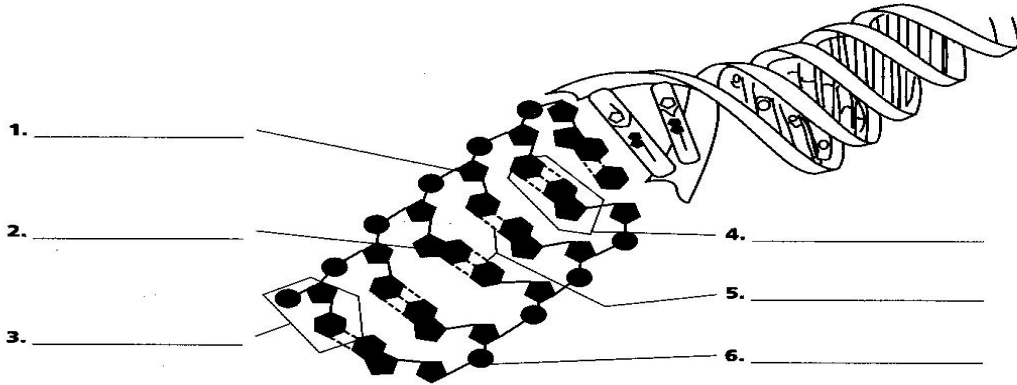
**DNA and Genes**

**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 \_\_\_\_\_.

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