Print Name _____ Period _____ Date _____

# Unit 4 Worksheet 4 DNA and RNA

DNA

1. Give the complementary base sequence of the following DNA strand.

Original strand: T T A C G G T C A C C A A G C G T G

_____

2. List three characteristics of the DNA molecule.

_____

_____

3. List three characteristics of the RNA molecule.

_____

_____

4. What is the purpose of DNA in an organism's body?

_____

_____

5. List the steps of DNA replication.

| |
|---|
| a. |
| b. |
| c. |
| d. |

6. Explain how a single DNA molecule produces two identical molecules?

_____

_____

_____

7. What are the DNA base pairing rules?

_____

_____

8. What are the main forms of RNA?