

Print Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

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## Unit 4 Worksheet 4 DNA and RNA

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### 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

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2. List three characteristics of the DNA molecule.

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\_\_\_\_\_

3. List three characteristics of the RNA molecule.

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\_\_\_\_\_

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

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\_\_\_\_\_

5. List the steps of DNA replication.

a.
b.
c.
d.

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

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7. What are the DNA base pairing rules?

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8. What are the main forms of RNA?

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