

Name: _____ Period: _____ Date: _____

DNA Structure WS

1. What does DNA and RNA stand for?

a. DNA: _____

b. RNA: _____

2. DNA is made up of _____

3. A nucleotide is made of:

a. _____

b. _____

c. _____

4. What are the 4 types of bases in DNA?

a. _____

b. _____

c. _____

d. _____

5. What are the 4 types of bases in RNA?

a. _____

b. _____

c. _____

d. _____

6. What always matches with the nitrogenous base Cytosine? _____

7. What always matches with the nitrogenous base Adenine? _____

8. Write the complementary sequence to the following DNA strand:

A C C G T A G T C A T G G C A T A T T A
| | | | | | | | | | | | | | | |

9. Draw a picture of a nucleotide below:

10. Look at the picture of the DNA molecule and answer the following questions

- Circle a nucleotide
- Label the deoxyribose sugar and phosphate
- Fill in the missing bases.

