Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**DNA** Notes

 1. DNA is made up of *monomers* called

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

 2. There are only \_\_\_\_\_\_\_ different

 nucleotides.

1. These same nucleotides are \_\_\_\_\_\_\_\_\_\_\_

over and over.

4. A DNA \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ has three

A.

parts. Label the *monomer*.

B.

C.

 Label the picture below.

5. The purines

(Adenine and Guanine) have \_\_\_\_\_\_ rings of nitrogen base.

6. The pyrimidines

(Thymine and Cytosine) have only \_\_\_\_\_\_ ring of nitrogen base.

7. Label the picture below:



8. Nucleotides line up in pairs to form a structure that looks like a \_\_\_\_\_\_\_\_\_\_.

9. The \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_ groups make up the \_\_\_\_\_\_\_\_\_ of the ladder.

10. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ make up the \_\_\_\_\_\_\_ of the ladder.



11. Cytosine bonds with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

12. Adenine bonds with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



13. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

and Maurice Wilkins took the first \_\_\_\_\_\_\_\_\_\_

photographs of DNA.

14. The structure of DNA is known as the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_