

Name: _____

Date: _____

Meiosis Worksheets

1. Fill in the blanks: The **sequence** of the nitrogen bases in DNA gives instructions to the ribosomes to make **Proteins(traits)**
2. Which part of a nucleotide makes up the steps of the DNA "ladder"? **Nitrogen Base**
3. What is the function of DNA? How does its structure relate to its function? **Codes for traits (proteins). The sequence of nitrogen bases determines the protein formed.**
4. The number of Adenine must equal the number of **Thymine** in any DNA molecule. And the percentage of cytosine must equal the percentage of **Guanine** in any DNA molecule
5. List the elements found in nucleic acids, carbohydrates, lipids, and proteins, **Nucleic Acids- CHONP; Carb-CHO; Lipids-(CH)O; Proteins- CHON**
6. Which part of the nucleotide allows DNA to act as a code? **Nitrogen Base**
7. An organism's traits are determined by this molecule.
A. Carbohydrates **B. Deoxyribonucleic acids**
C. Enzymes D. Triglycerides
8. Which 2 parts of the nucleotide make up the sides of the DNA "ladder"? **Sugar and Phosphate**
9. How many different nitrogen bases are there? List the nitrogen bases and tell which ones pair up. **Four plus one for RNA. Adenine with Thymine; Guanine with Cytosine; Uracil with Adenine for RNA**
10. What shape is DNA? **Double Helix**