Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_ Seat #\_\_\_\_

**RWS 2.3: Carbon Compounds**

1. What properties of carbon explain carbon’s ability to form different large and complex molecules?
2. What is a polymer?
3. Fill out the table below

|  |  |  |  |
| --- | --- | --- | --- |
| Type of  Macromolecule | Monomers | Examples | Functions |
| Carbohydrates |  |  |  |
| Lipids |  |  |  |
| Nucleic Acids |  |  |  |
| Proteins |  |  |  |

1. What the is R-group of amino acids and how do they help make proteins the most diverse macromolecules?
2. Describe each of the 4 levels of structure in a protein
   1. Primary structure
   2. Secondary structure
   3. Tertiary structure
   4. Quaternary structure