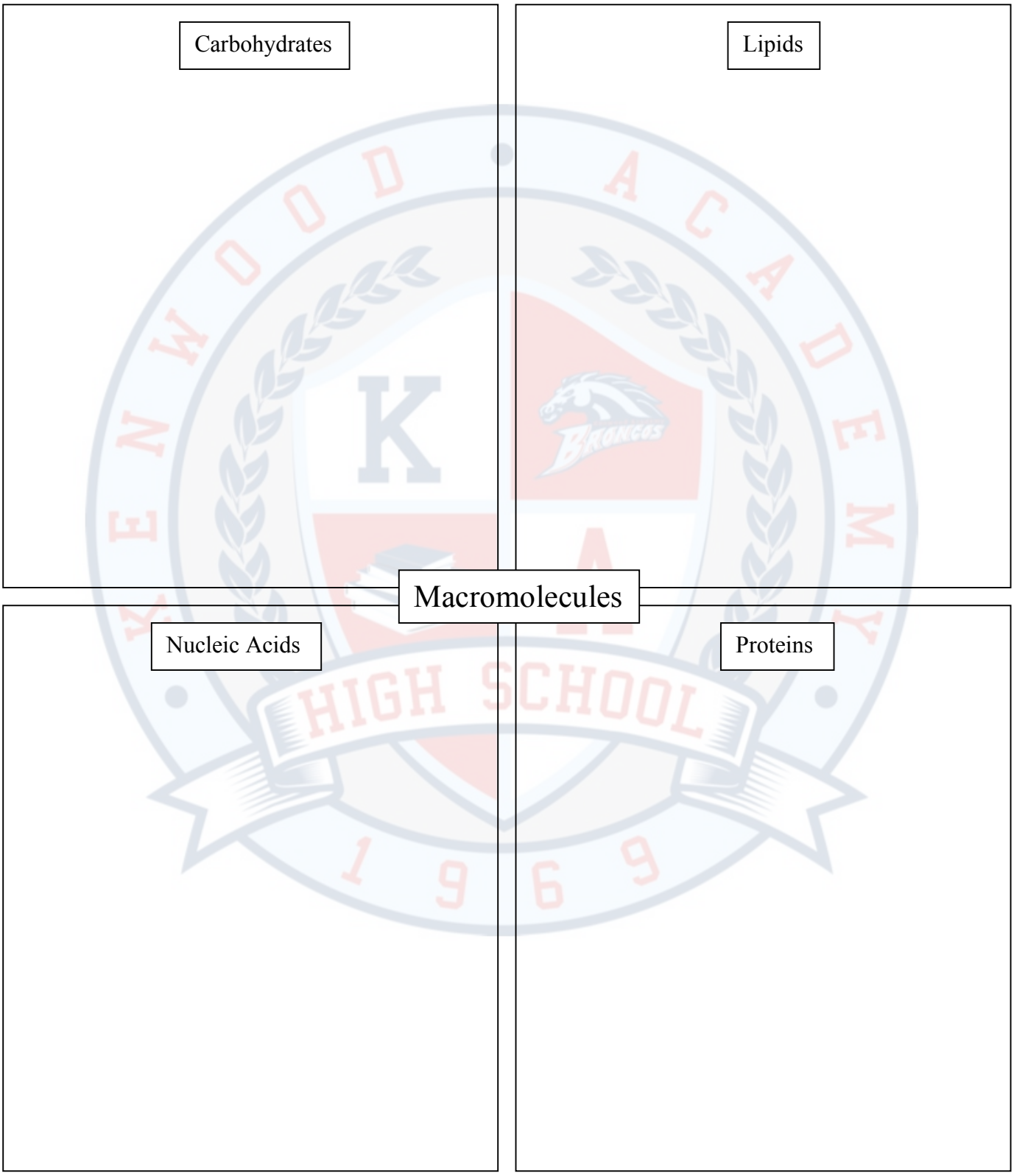
Name: _____ Date: _____ Period: ____

Macromolecules Week # ____

Directions: Read p. 46 – 49 and categorize each strip of paper as the correct macromolecule. Then write the information on each strip of paper in the appropriate boxes.

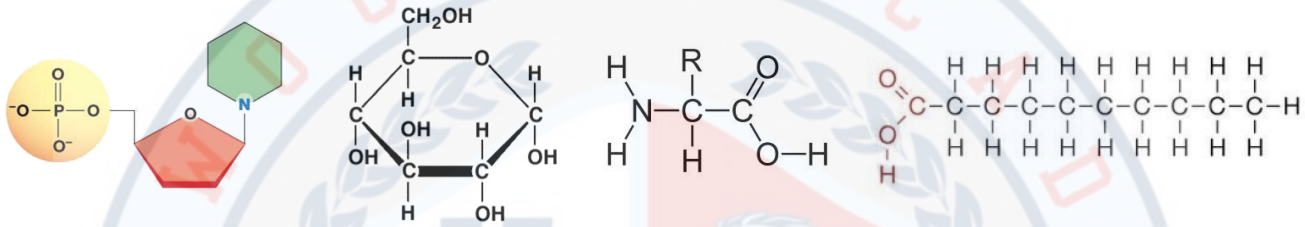


Name: _____ Date: _____ Period: ____

Analysis Questions

1. Macromolecules are large molecules made up of smaller molecules, similar to beads that make up a necklace. Name the smaller molecule that makes up the larger macromolecule for each.
   a. _____ make up complex carbohydrates.
   b. _____ make up nucleic acids like DNA and RNA
   c. _____ make up _____.

2. Glucose is $C_6H_{12}O_6$.
   a. What elements make up glucose? _____
   b. How many atoms are in this compound? _____
   c. Circle the diagram that represents a glucose molecule.



3. Animals store excess sugar as glycogen, which is later broken down for energy. Where would you expect animals to store glycogen?
   a. Brain
   b. Bones
   c. Muscles
   d. Lungs

   Explain why: _____
   _____
   _____

4. Athletes often "carbo-load" before a race, meaning they eat lots of complex carbohydrates because it has been shown to help them perform better. Explain why this is true.

   _____
   _____
   _____