Macromolecules Review Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

First label each of the given pictures, in the provided box, with the correct category of macromolecule: Lipid, Nucleic Acid, Protein, or Carbohydrate.

#3

#4

#1

#2

Now that you have labelled each picture let’s determine how you did it.

1. Picture #1 Questions
2. This monomer is called an \_\_\_\_\_\_\_\_\_\_\_\_\_ acid. How many of them are there?
3. What is their major function?
4. Picture #2
5. This monomer is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, it is made up of a glycerol backbone and \_\_\_\_\_\_\_\_\_\_ fatty acid chains.
6. What letter is this macromolecule shaped like?
7. Based on all of the H-C connections, single bonds, is this a saturated or unsaturated fat?
8. What is the major function of this compound in living organisms?
9. Picture #3
10. What basic geometric shape is this monomer shaped like?
11. The monomer for this organic compound is the monosaccharide, like glucose. If there are two in a chain it is called a\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. IF there are more than 2 it is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
12. What is the major function of this compound in living organisms?
13. Picture #4
14. This monomer is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, it is an important part of each living organisms RNA and \_\_\_\_\_\_\_\_.
15. What are the three basic parts of this monomer?
16. What are the 5 nitrogen bases which make up the part of this monomer shown in the box on the picture?