Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Biochemistry Extension

Go to the following URL and use the links to answer the questions. http://www.chem4kids.com/files/bio\_intro.html

1. What is Biochemistry? (3 sentences)

Define the following terms.

1. Atoms-
2. Molecules-
3. Elements-
4. Chemical Compounds-

Click on the Carbohydrates tab on the right and answer the following questions.

1. Why do scientists call them carbohydrates? (1 sentence)
2. Why are they considered “organic compounds”
3. Where are they broken down? What do they make?
4. Another word for sugar is?
5. Why is glucose so important?
6. Another name for starch is?
7. Describe cellulose. (3 sentences)
8. Describe chitin. (2 sentences)

Click on the Lipids tab on the right and answer the following questions.

1. Give 2 examples of waxes.
2. Draw the structure of a steroid and write two sentences about what you learned after reading the steroid section.
3. Describe the difference between a saturated fat and an unsaturated fat.

Click on the “20 amino acids” tab on the right and answer the following questions.

1. Why are these 20 amino acids so important?
2. Draw and label 3 of the 20 amino acids.