## Macromolecule Coloring

Name		
Period	Date	

For each of the following macromoleucles, color the carbon YELLOW, Hydrogen RED, Oxygen ORANGE, and nitrogen GREEN. If there is anything else in the picture, leave it blank.















<ul><li>9) How many of each of the following elem</li><li>a) C = b) H</li></ul>	ients are in glycerol? =
10) How many of each of the following elem a) C = b) H= 11) How many of each of the following elem	nents are in <u>3</u> fatty acids? =
a) C = b) H	= c) O=
12) How many of each of the following elem	ents ARE LOST when a glycerol and 3 fatty acids
become a triglyceride? (Look at the pic	tures and your answers for 9-11)
a) C = D) H	= c) U=
13) what do glucose and fructose have in c	ommon? (look at $\#$ I and 2)
14) What is the difference between alanine	and glycine?
15)Draw the Lewis Structures for each of	the following elements:
a) Carbon	c) Oxygen
b) Hydrogen	d) Nitrogen
16)Based on the Lewis Structures for each make?	of the following elements, how many bonds will they
a) Carbon	c) Oxygen
b) Hydrogen	d) Nitrogen
17)Look at the pictures throughout this pa each element will form and the number	cket, what do you notice about the number of bonds of lines attached to each element in the pictures.
Use you notes, book, or macromoled	cules reading guide for the following questions:
18)What is a condensation reaction?	
19) What is a hydrolysis reaction?	
20) Give the symbols (C, H, O, N, and/or P) for	the elements that make up each of the following:
a) Carbohydrates	
b) Lipids	
c) DNA	
d) Proteins	