Name: BIOLOGICAL MOLECULES WEBQUEST	Draw a picture of glucose and deoxyribose below.
DIRECTIONS: Go to the following website on CARBOHYDRATES and answer these questions: http://www.chem4kids.com/files/bio_carbos.html	
 Carbohydrates are made up of the following elements: a. b. c. Give 4 examples of carbohydrates: o o o o What carbohydrate is stored in plants? 	 DIRECTIONS: Go to the following website on PROTEINS and answer these questions: http://www.chem4kids.com/files/bio_proteins.html 1. What are proteins made up of? 2. What are the four protein structures? Next: Draw sketches of the four types of
<u>DIRECTIONS:</u> Go to the following website on CARBOHYDRATES and answer these questions: http://www.wisc-online.com/objects/index_tj.asp?objid=AP13304	
3. What is the common name for sucrose?	1. Proteins are constructed from approximately 20
4. Polysaccharides include starch, cellulose, and glycogen. These long,	2. A protein molecule is determined by the of amino acids.
chain-like polymers make ideal storage products due to their	3. Why do vegetarians have to make sure they eat a wider variety to make sure they get all of the amino acids they need?

<u>DIRECTIONS:</u> Go to the following website on LIPIDS and answer these questions: <a href="http://www.wisc-online.com/objects/index_tj.asp?objid="http://www.wisc-online.com/objects/index_tj.asp?objects/index_tj.asp?objects/index_tj.asp?objects/index_tj.asp?objects/index_tj.asp?objects/index_tj.asp?objects/index_tj.asp?objects/index_tj.asp?objects/index_tj.asp?objects/index_tj.asp?objects/index_tj.asp?objects/index_tj.asp?objects/index_tj.asp?objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/index_tj.asp.objects/inde

1. Lipids are soluble/insoluble in water. Circle one.

- 2. What happens during Dehydration Synthesis (hint: it involves chains & a molecule)
- 3. Saturated fatty acids originate from where?
- 4. Unsaturated fatty acids originate from where?
- 5. Why are phospholipids so important to cells?
- 6. List 3 positive things cholesterol does for the body

0

0

0

Draw pictures of saturated and unsaturated fatty acids below.

<u>DIRECTIONS:</u> Go to the following website on NUCLEIC ACIDS and answer these questions:

http://www.chem4kids.com/files/bio_nucleicacids.html

1.	The	are the
	building blocks of living	organisms.

- 2. _____ is just one type of **nucleic acid.**
- 3. List 4 types of nucleic acids (NA's):

Draw a pictures of a nucleotide, the monomers of nucleic acids.

<u>**DIRECTIONS:**</u> Go to the following website on Protein Synthesis and answer these questions: http://www.wisc-online.com/objects/index_tj.asp?objID=AP1302

- 1. Why does DNA unwind?
- 2. After creation, where does the mRNA go? Through what?
- 3. Why does mRNA bind with a ribosome?
- 4. What's the name for the end of the tRNA that has a particular sequence of three nucleotides?
- 5. What does the anticodon match up to when it joins the chain?
- 6. Now that the "load" of amino acids have been released, the amino acids link up to form
- 7. What happens to the mRNA when protein production is complete?