

Achieving Mastery of learning objective 2B: Have you done the following???

1. Extract information from your text:

BIOCHEMISTRY GUIDED READING (have you addressed these in your reading notes??)

- WHAT IS A MACROMOLECULE AND PROVIDE AT LEAST 4 EXAMPLES.
- WHAT FUNCTION DO CARBOHYDRATES SERVE IN THE HUMAN BODY? WHAT ARE THE BUILDING BLOCKS OF COMPLEX CARBOHYDRATES?
- CONTRAST MONOSACCHARIDE, DISACCHARIDE, AND POLYSACCHARIDES.
- WHAT IS GLYCOGEN AND WHAT FUNCTION DOES IT SERVE IN THE BODY?
- WHAT FUNCTION DO LIPIDS SERVE IN THE HUMAN BODY? WHAT ARE THE BUILDING BLOCKS OF LIPIDS?
- WHAT IS A TRIGLYCERIDE? WHAT ARE THE FOUR MOLECULES WHICH PRODUCE A TRIGLYCERIDE? 3 OF THIS AND 1 OF THIS????
- CONTRAST THE STRUCTURES OF A SATURATED AND UNSATURATED FATTY ACID.
- WHAT FUNCTION(S) DO PROTEINS PERFORM IN THE HUMAN BODY? WHAT ARE THE BUILDING BLOCKS OF PROTEINS?
- WHAT IS A PEPTIDE BOND? THE PEPTIDE BOND LINKS THESE TOGETHER IN ORDER TO FORM WHAT?
- WHAT IS A POLYPEPTIDE?
- CONTRAST A MONOMER VS. A POLYMER.
- CONTRAST THE ROLES OF DEHYDRATION SYNTHESIS AND HYDROLYSIS IN ASSEMBLING AND DISASSEMBLING CARBOHYDRATES, LIPIDS, AND PROTEINS.
- CARBOHYDRATES, LIPIDS, AND PROTEINS SHARE 1 THING IN COMMON. THEY ARE ALL COMPOSED OF THESE THREE ATOMS IN DIFFERENT QUANTITIES?
- WHAT TYPE OF ELEMENT DO PROTEINS HAVE THAT CARBOHYDRATES AND LIPIDS DON'T?

2. Have you done a THOROUGH job on "You Are What You Eat" wksht?

- Are you participating FULLY in the model building process?? Have you come in for help when confused?

3. Have you checked out the "extras" on Edline?

- "Macromolecules, Dehydration synthesis and hydrolysis" tutorial link
- macromolecule ppt - just another way to organize the material (no nucleic acids)
- Have you visited the Essential Study Partner?? (on Edline)
 - Cells - Chemistry - ...pick organic chem., carbohydrates, lipids, & protein sections to explore...
- Video Lessons: <http://bozemanscience.com/chemistry/>
 - Molecules of Life, Carbohydrates, Lipids, Proteins

4. Have you added to your reading notes - made them into reflective, interactive, and dynamic "Learning Notes"?

- Don't just "do the notes".... These are meant for you to revisit and IMPROVE during/after instruction - -- identify what you are still unsure of - then get help!!

5. Have you taken the practice appropriate quizzes and tests from the textbook website?

- Go to "Textbook Website" (under Links tab), click "student edition", choose the appropriate chapter from the text, click on quizzes (Pre-Test and/or Post-Test)
- This will help you gauge your readiness for the proficiency exam