

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

## 2. Have you done a THOROUGH job on your "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 visited the ESP?? (external links in Bb)

- Cells - Chemistry - ...pick organic chem., carbohydrates, lipids, & protein sections to explore...

## 4. Have you checked out the "extras" on Bb?

- "Macromolecules, Dehydration synthesis and hydrolysis" tutorial link
- macromolecule ppt - just another way to organize the material (no nucleic acids)

## 5. Have you taken the practice test on Bb?

- Click on the "Assignments" tab - and click on the link for the 1B practice test
- This will help you gauge your readiness for the proficiency exam Friday