



## CHEM 330 Biochemistry I

Seventh Week

October 17 – October 21, 2011

### Assignments

- Chapter 10 – Reading should be completed before class on Monday (10/17/11)
- Chapter 11 – Reading should be completed before class on Tuesday (10/18/11)
- Chapter 12 – Reading should be completed before class on Thursday (10/20/11)
- Chapter 13 – Reading should be completed before class on Friday (10/21/11)
- Reading the Introduction to Metabolism (page 481-488) is strongly recommended.
- Chapter 14 – Reading should be completed before class on Monday (10/24/11).
- Exam 2 is due Friday October 21, 2011.**

### Reminders

- The solutions to the problem sets are posted on the course website for your edification.
- Obviously, you should be working on Exam 2 this week. You are welcome (and, in fact, encouraged) to come to my office to discuss it. ***Please do not wait until the last minute to begin the exam!*** I should be in my office after 6<sup>th</sup> hour every day except Wednesday (I have an 8<sup>th</sup> hour meeting on Tuesday). If someone is in my office discussing biochemistry, ***ask if you can join the discussion!***
- Class will be in the Myers Presentation Room on Friday (10/28/11) as part of the IRC Undergraduate Research Symposium.

***“In all experimental science, in contrast to purely observational science, it is necessary to apply some disturbing condition to the system under observation and to measure the effect of that disturbance. In biochemistry, this means that one must experimentally modify or alter the organism or tissue being studied. . . .***

***“Transformation of energy necessarily accompanies the variety of chemical reactions that make possible the characteristic properties, e.g., movement, respiration, reproduction, growth, and irritability, which distinguish living cells from non-living structures. . . .***

***“The demonstration of the conservation of one form of energy to another [in animals] was the forerunner of the law of conservation of energy, enunciated by Mayer and Helmholtz almost 70 years later, and was the earliest recognition that living organisms obey the laws of thermodynamics.” – White, Handler, & Smith (1959)***