



## CHEM 330 Biochemistry I

Zero & First Week  
September 1 – 9, 2011

### Assignments

- Review general chemistry (especially equilibria, acid-base reactions, and kinetics) and organic chemistry (especially properties of alcohols, amines, aldehydes, ketones, carboxylic acids, and amides)
- Chapter 1 – Reading should be completed before class on Friday (9/2/11)
- Chapter 2 – Reading should be completed before class on Monday (9/5/11)
- Begin learning the amino acid structures, names, three-letter codes, one-letter codes, and properties.** Be ready to discuss the amino acids by Tuesday (9/6/11)
- Chapter 3 – Reading of section 3.1 should be completed before class on Tuesday (9/6/11)
- Problem set #1 due Friday (9/2/11)**
- Problem set #2 due Tuesday (9/6/11)**
- Problem set #3 due Friday (9/9/11)**

*“When ammonium cyanate is heated, it produces urea without benefit of a kidney, a bladder, or a dog.”* – **Friedrich Wöhler**

*“The laws of thermodynamics, as empirically determined, express the approximate and probable behavior of systems of a great number of particles, or, more precisely, they express the laws of mechanics for such systems as they appear to beings who have not the fineness of perception to enable them to appreciate quantities of the order of magnitude of those which relate to single particles, and who cannot repeat their experiments often enough to obtain any but the most probable results.”* – **Josiah Willard Gibbs**

*“Fortune favors the prepared mind.”* – **Louis Pasteur**

### Reminders

- Purchase the textbook: *Lehninger: Principles of Biochemistry*, 5<sup>th</sup> edition, David L. Nelson and Michael M. Cox, Freeman & Co., 2008
- Downloads:** *DyKnow* (see link on course website)
- Course website:**  
<http://www.rose-hulman.edu/~brandt/Chem330/>