



CHEM 330 Biochemistry I

Fourth Week
September 26 –30, 2011

Assignments

- Chapter 6 – Reading should be completed before class on Tuesday (9/27/10)
- After submission of your answers, check your answers to the problem sets using the keys that will be posted on the course website.
- Problem set #7 is due Friday (9/30/11)**
- Chapter 5 – Reading should be completed before class on Monday (10/3/11)

Reminders

- Abstracts for the IRC Symposium are still being accepted. If you have not already done so, please email your abstract to Dr. Brandt.**
- The IRC Symposium will be held on the Rose-Hulman campus (Myers Presentation Room) on Friday, October 28, 2011.

“The name “enzyme” (Greek en, in + zyme, yeast) was coined by Fredrich Wilhelm Kühne in an effort to emphasize that there is something in yeast, as opposed to the yeast itself that catalyzed the reactions of fermentation.” – Voet & Voet (2004)

“There are three general ways in which the problem of mechanism of enzyme action is being attacked. One is by a study of the chemical nature of the enzyme itself . . . the second method is to study the mechanism of action of simpler catalysts on the same reaction . . . the third approach is to determine how various factors influence the rate of enzymic reactions.

“The view that has dominated all attempts to explain mechanisms of enzymic catalysis is that the enzyme forms an intermediate complex with the substrate or substrates.” – White, Handler, & Smith (1959)

“Kinetic studies of enzyme reactions have led to the theory of equilibrium intermediate compound formation between enzyme and substrate.” – Hans Lineweaver & Dean Burk (1934)