



Mr. Silluzio
BioMed Lesson Plan
Date: 9/11 & 9/12/2018

Topic:

- **Proteins, complete vs non-competitive inhibition of enzymes.**
- **Lab notebooks and lab write up expectations**

Summary: Student will be encouraged to take notes during whole class instruction on Proteins, enzyme inhibition and regulation. The whole class portion of instruction will be relatively short compared to AP. Students will spend much of the period working in pairs on prelab questions and other enrichment material.

Goals/Objectives:

- Understand the difference between competitive and non competitive inhibition of enzymes.
- Understand allosteric regulation and how regulation differs from inhibition.
- Hear presentations from three advanced students on prion related disease, the significance of CCR5 and CD4 receptor proteins and significance of BCAAs in sports supplements.

Standards:

[Click here for corresponding learning standards](#)

Time Required:

2 80 minute periods

Prerequisite Knowledge:

Understanding of prior lecture and material covered in CH 6.4 & 6.5

Sophomore biology protein structure and function

Accommodations:

All notes and various enrichment materials are available on line.