03-231 Biochemistry SI Thursday, October 7, 2005

Andy Hsieh AMDyMoN@cmu.edu

Thursdays 7:30 - 8:30 PM, OSC 231A

Marciella DeGrace mdegrace@andrew.cmu.edu Wednesdays 7 - 8 PM, WeH 5403

Academic Development Office:

Services Available:

OSC 212 (412) 268 - 6878

Supplemental Instruction Individual/Walk-In Tutoring

http://www.cmu.edu/academic-development/
Call, stop by, or check out our website!

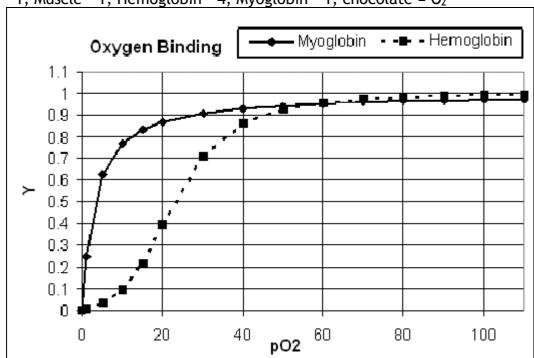
Academic Counseling

Study Tip - Excel for the HW: have the equation available, and then make new columns for all the variables required for this particular calculation. If you need help with the HW, feel free to E-mail me. (I'll not be available on Saturday but I can get back to you ASAP on Sunday).

Living tip - Don't drink too much coffee before going to a 1.5-hour exam. Caffeine is diuretic, which according to www.dictionary.com, means "tending to increase the discharge of urine".

Demonstration: I need 7 volunteers:

Lungs - 1; Muscle - 1; Hemoglobin - 4; Myoglobin - 1; chocolate = O₂

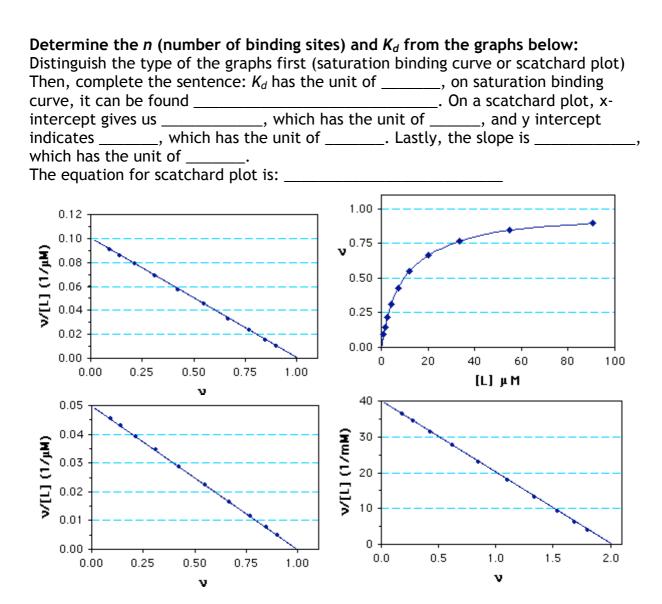


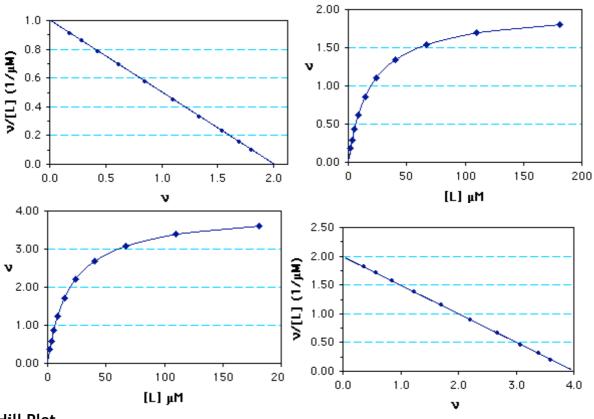
The Journey from the Lungs to the Muscle

| Macromolecule | Initial concentration | Final concentration | Efficiency |
|---------------|-----------------------|---------------------|------------|
| Myoglobin | | | |
| Hemoglobin | | | |

Write down a couple of concluding sentences about this activity:

- If Sauman were to cast a spell on you, such that all the hemoglobin molecules in the body were converted to myoglobin, predict the condition you'll be suffering.





Hill Plot

Hill plot measures gives us an idea of the ______ of the enzyme. The slope of the graph yields ______. The x-intercept tells us about the ______, which has the unit of ______. The y axis is ______, which has the unit of ______. The equation for Hill plot is ______.

