Midterm Lab Practical

Introduction

Science is built on repetition, on learning from past mistakes from yourself and others to advance knowledge. For that reason, your midterm exam lab practical will be centered around one of the labs from semester 1. You will choose one lab and generate a new problem question that has not been addressed by me or by your classmates this semester. Working with someone new (other than your photosynthesis lab partner), you will create a procedure to solve your problem question. On January 7th and 8th, you will have an opportunity to run your lab during the regularly scheduled class period. Then you will write a following our AP Biology lab rubric. You must also create a product that you could use to (if the teacher decides) present your findings to your classmates. Your visual could be a powerpoint presentation, poster, or website that summarizes each of the sections of your lab report. This Lab Practical will count as a test grade.

Labs to choose from

The following labs will be available for you to choose from. I will provide the general supplies and chemicals that were necessary to run the lab.

- Brine Shrimp Natural Selection Lab
- BLAST Lab
- Water Lab
- Enzyme Rate Lab
- Osmosis and diffusion Lab
- Cell Respiration Lab
- New lab of your choice that addresses a topic from semester 1

Schedule

By January 2, 2014: you will propose the lab and problem question on Edmodo for my approval.
By January 3, 2014: I will either approve your problem question or you will be asked to revise it. You will propose your final problem question. You will also submit a materials list and procedure for my approval.
By January 6, 2014: I will either approve or not approve your materials list and procedure. If you are not approved, you MUST come to see me to discuss the matter.
January 7, 2014: Run your lab
January 8, 2014: Run your lab (this will be the last time you have this opportunity)
January 10, 2014: Submission of your lab work and your product.