

AP BIOLOGY LAB MANUAL

Projected Lab Activities for 2012-2013:

1. Biology Lab Skills
2. Fruit Fly Behavior*
3. Diffusion and Osmosis**
4. Enzyme Activity*
5. Organismal Respiration**
6. Chromatography Techniques
7. Photosynthesis – Light Reactions*
8. Transpiration**
9. Metabolic Rates
10. Cell Division**
11. *Drosophila melanogaster* Genetics*
12. Polymerase Chain Reaction
13. Restriction Enzyme Simulation
14. DNA Restriction Analysis
15. Engineering a Plasmid
16. Bacterial Transformation**
17. Natural Selection Simulation
18. Hardy-Weinberg Simulation
19. Supertasters!**
20. Artificial Selection*
21. Evolution and Phylogenetics
22. Have a BLAST!**
23. Energy Dynamics**

*requires a formal lab report

**requires a miniposter

Ap Biology Lab Manual

Phillip E. Pack



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