

Bio 111

On-Line Lab Manual

(OLLM)

On-Line Lab Resources

| Lab | Resources for Lab | Other useful links |
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| (01) • Virtual Genetics Lab (VGL) I | <ul style="list-style-type: none"> • Pre-lab. • Lab Manual. | Download VGL for home use. |
| (02) • LEGO Mitosis • Genetics Practice Problems I | <ul style="list-style-type: none"> • Pre-lab. • LEGO Mitosis Lab Manual. • Genetics Practice Problems I Lab Manual. | Movies of how to use the LEGO. |
| (03) • LEGO Meiosis & Fertilization • Genetics Practice Problems II | <ul style="list-style-type: none"> • Pre-lab. • LEGO Meiosis & Fertilization Lab Manual. • Genetics Practice Problems II Lab Manual. | Movies of how to use the LEGO. |
| (04) • Virtual Genetics Lab II • Aipotou I | <ul style="list-style-type: none"> • Pre-lab. • Virtual Genetics Lab II Lab Manual. • Access Saved VGL Problems. • Aipotou I Lab Manual. | <ul style="list-style-type: none"> • Download VGL for home use. • Download Aipotou for home use. |
| (05) • Chemical Structures | <ul style="list-style-type: none"> • Pre-lab. • Lab Manual. • Access the Molecular Formula Calculator • Access the Chemical Structures Exercises | java |
| (06) • Chemical Properties | <ul style="list-style-type: none"> • Pre-lab. • Chemical Properties Lab Manual. • Use this for the lab: jlogp | java |
| (07) • Green Fluorescent Protein (GFP) | <ul style="list-style-type: none"> • Pre-lab. • GFP Lab Manual. • GFP 3-d structure | none |
| (08) | <ul style="list-style-type: none"> • Pre-lab. • Lab Manual. | <ul style="list-style-type: none"> • java • Download Protein Investigator for |

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| <ul style="list-style-type: none"> • Protein Structure | <ul style="list-style-type: none"> • Protein Structure Exercises | home use. |
| <p>(09)</p> <ul style="list-style-type: none"> • Aipotu II | <ul style="list-style-type: none"> • Pre-lab. • Aipotu II Lab Manual. • Access the Data Blog for your section: <ul style="list-style-type: none"> ◦ Section 01's Blog ◦ Section 02's Blog ◦ Section 03's Blog ◦ Section 04's Blog ◦ Section 05's Blog ◦ Section 06's Blog ◦ Section 07's Blog ◦ Section 08's Blog ◦ Section 09's Blog ◦ Section 10's Blog ◦ Section 11's Blog ◦ Section 12's Blog ◦ Section 13's Blog ◦ Section 14's Blog ◦ Section 15's Blog ◦ Section 16's Blog | <ul style="list-style-type: none"> • java • Download Aipotu for home use. |
| <p>(10)</p> <ul style="list-style-type: none"> • LEGO DNA | <ul style="list-style-type: none"> • Pre-lab. • LEGO DNA Lab Manual. • Fixed APAIB page 199 | Animations of replication, transcription, translation, etc. |
| <p>(11)</p> <ul style="list-style-type: none"> • Aipotu III | <ul style="list-style-type: none"> • Pre-lab. • Lab Manual. | <ul style="list-style-type: none"> • java • Download Aipotu for home use. |