**Lab Rubric**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TIPS** | **Level 1** | **Level 2** | **Level 3** | Level 4 |
| **Related Theory**  **\*\*\*\*** | Shows limited understanding of connections to the problem | Shows some understanding of connections to the problem | Shows considerable understanding of connections to the problem | Shows thorough understanding of connections to the problem |
| Hypothesis and Conclusion  **\*\*\*** | Hypothesis stated, no support  Conclusion made, no support | Hypothesis stated, some support  Conclusion made, with some reference to lab | Hypothesis stated, considerable support  Conclusion made with evidence from lab and responds to hypothesis | Hypothesis stated with a high degree of support  Conclusion made with strong support from lab and responds effectively to the hypothesis |
| Problem, Materials and Procedure  **\*** | MANY pieces missing | A few things are missing or wrong | A couple things wrong | Everything is exact – problem stated, material list correct and procedure accurate |
| Observations   * Tables * Graphs   **\*\*** | Table format shows some errors and the use of scientific terminology shows limited accuracy and effectiveness | Table format shows few errors and/or uses scientific terminology with some accuracy and effectiveness | Proper table format and uses scientific terminology with considerable accuracy and effectiveness | Proper table format and uses scientific terminology with a high degree of accuracy and effectiveness |
| **Analysis**  **Sources of Error**  **Calculations**  **\*\*\*\*\*** | Shows limited understanding of connections to the material investigated | Shows some understanding of connections to the material investigated | Shows considerable understanding of connections in familiar and unfamiliar contexts | Shows thorough understanding of connections in familiar and unfamiliar contexts |
| General Presentation |  |  |  |  |

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| General Presentation |  |  |  |  |