

Physics Laboratory Write-up Checklist

Experiment _____ Period _____ Date(s) of Experiment _____

Partners _____

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| <p>Format (2 points)</p> | <ol style="list-style-type: none"> 1. Group names, title, written on one side only 2. Each section clearly labeled, neat & organized <p>Notes:</p> | <p>_____</p> <p>_____</p> |
| <p>Purpose (1 point)</p> | <ol style="list-style-type: none"> 1. Independent and dependent variables are clearly identified <p>Notes:</p> | <p>_____</p> |
| <p>Apparatus & Procedure (3 points)</p> | <ol style="list-style-type: none"> 1. Diagram drawn with all components labeled 2. Clear and brief sequence of steps 3. Control of variables <p>Notes:</p> | <p>_____</p> <p>_____</p> <p>_____</p> |
| <p>Raw Data (4 points)</p> | <ol style="list-style-type: none"> 1. Measurements organized into a neat table 2. Values are clearly labeled 3. Multiple trials 4. Quality/range <p>Notes:</p> | <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> |
| <p>Evaluation of Data (7 points)</p> | <ol style="list-style-type: none"> 1. Table of generate values and sample calculations 2. Graphs <ol style="list-style-type: none"> a. variables on appropriate axes (use of units) b. quality of results 3. Interpretation of graphs <ol style="list-style-type: none"> a. statement of graphical relationships b. mathematical representation (derivation of | <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> |

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| | equation, units on slope and b-value) Notes: | |
| Conclusion (8 points) | <ol style="list-style-type: none">1. Written explanation (English sentences) of relationships (must address purpose)2. Meaning of slope, significance of y-intercept3. General equation, new terms or concepts4. Reasonable explanation for divergent results (when applicable) Notes: | <hr/> <hr/> <hr/> <hr/> |