

# Physics Lab Report Rubric

Name: \_\_\_\_\_ ID#: \_\_\_\_\_

Course, Lab Sequence, and Problem Number: \_\_\_\_\_

Date Performed: \_\_\_\_\_

Lab Partners' Names: \_\_\_\_\_

Earns No Points	Earns Full Points	Possible	Earned
<b>Argument</b>			
<ul style="list-style-type: none"> <li>• no clear argument</li> <li>• logic does not flow</li> <li>• gaps in content</li> <li>• leaves reader with questions</li> </ul>	<ul style="list-style-type: none"> <li>• complete, cogent, flowing argument</li> <li>• context, execution, analysis, conclusion all present</li> <li>• leaves reader satisfied</li> </ul>		
<b>Technical Style</b>			
<ul style="list-style-type: none"> <li>• vocabulary, syntax, etc. inappropriate for scientific writing</li> <li>• necessary nonverbal media absent or poorly constructed</li> <li>• subjective, fanciful, or appealing to emotions</li> <li>• jarringly inconsistent</li> </ul>	<ul style="list-style-type: none"> <li>• language is appropriate</li> <li>• nonverbal media present where appropriate, well constructed, well incorporated</li> <li>• objective, indicative, logical style</li> <li>• consistent style</li> <li>• division into sections is helpful</li> </ul>		
<b>Use of Physics</b>			
<ul style="list-style-type: none"> <li>• predictions with no or with unphysical justification</li> <li>• experiment physically unjustified</li> <li>• experiment tests wrong phenomenon</li> <li>• theory absent from consideration of premise, predictions, and results</li> </ul>	<ul style="list-style-type: none"> <li>• predictions are justified with physical theory</li> <li>• experiment is physically sound and actually tests phenomenon in question</li> <li>• results interpreted with theory to clear, appropriate conclusion</li> </ul>		
<b>Quantitativeness</b>			
<ul style="list-style-type: none"> <li>• statements are vague or arbitrary</li> <li>• analysis is inappropriately qualitative</li> <li>• error analysis not used to evaluate prediction or find result</li> <li>• numbers, equations, units, uncertainties missing or inappropriate</li> </ul>	<ul style="list-style-type: none"> <li>• consistently quantitative</li> <li>• equations, numbers with units, uncertainties throughout</li> <li>• prediction confirmed or denied, result found by error analysis</li> <li>• results, conclusions based on data</li> </ul>		
<b>Total</b>			