

## Lab Report Rubric

<b>Professional Student</b>	<b>0 1 2 3 4 5</b>
	Assignment on time and professional lab procedures (does not apply for AP)

<b>Heading</b>	<b>0 0.5</b>
	Correct format with all required components present

<b>I. Purpose</b>	<b>0 0.5 1</b>
	Correct purpose
	Complete sentence, written in past tense, and no personal pronouns

<b>II. Procedure</b>	<b>0 0.5 1</b>
	Complete explanation of procedure
	Complete sentences, written in past tense, and no personal pronouns

<b>III. Data</b>	<b>0 0.5 1 1.5 2 2.5</b>
	Data is well organized and easy to read
	Data tables have a descriptive title
	Data is labeled and units specified
	Data recorded with correct significant figures (AP only)
	All collected data is included

<b>IV. Data Analysis</b>	<b>0 0.5 1 1.5 2 2.5 3 3.5</b>
	Calculations are well organized and easy to read
	Data tables have a descriptive title
	Any equations are written out in generic form prior to use
	Show how values are substituted into equations
	All calculations are shown
	Units are specified
	Significant figures are correct

	<b>0 0.5 1 1.5 2 2.5</b>
	Graph has a descriptive title
	Independent and dependent variables are on correct axis
	Each axis has a label with units
	Graph data is reflected in data table in data section
	Graph scale effectively displays data (and precision is reflected – AP only)

**V. Sources of Error****0 0.5 1 1.5 2**

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<input type="checkbox"/>	Specific sources of error are listed
<input type="checkbox"/>	Explain impact of errors on results (does error make measured value higher/lower)
<input type="checkbox"/>	Suggest methods to improve precision in future experiments
<input type="checkbox"/>	Suggest methods to change equipment or procedures to reduce error in future

**VI. Conclusion****0 0.5 1 1.5 2 2.5 3 3.5 4**

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<input type="checkbox"/>	Purpose of lab is restated and explains if lab purpose was met
<input type="checkbox"/>	Explains key conclusions from experiment
<input type="checkbox"/>	Explain theories or laws demonstrated in the experiment
<input type="checkbox"/>	Explains agreement or variation from expected results
<input type="checkbox"/>	Lab data and any graphs are used to explain results
<input type="checkbox"/>	Percent error (if applicable) is used to explain results
<input type="checkbox"/>	Improvements to lab or additional areas of study are suggested
<input type="checkbox"/>	Complete sentences, written in past tense, and no personal pronouns

**VII. Questions**

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<input type="checkbox"/>	0.5 point per each question answered
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