

**Sanborn Regional School District Lab Report Form**

**High School Format- To be used at least twice in each course**

**Directions for Writing Your Laboratory Report** - Working on your own, summarize your experiment and results. Use your own notes. You may wish to write a draft of your report on scratch paper. Your report must have the following section headings and include the following information:

<b>Science Lab Report: Focus Correction Areas (FCAs)</b>	<b>Remember</b>
<b>I. <u>Introduction</u></b> <ul style="list-style-type: none"> <li>Background information</li> <li>What is the purpose of this lab?</li> <li>What are the independent and dependent variables?</li> <li>How does this lab tie into what is being studied in class?</li> <li>What application to real-life does this lab have?</li> </ul>	<b>Two paragraph minimum</b>
<b>II. <u>Statement of Hypothesis</u></b> <ul style="list-style-type: none"> <li>What do you think will happen as a result of your actions? ("If ... (independent variable), then ... (dependent variable)")</li> </ul>	<b>One "If...then.." statement</b>
<b>III. <u>Materials</u></b> <ul style="list-style-type: none"> <li>Materials <u>list</u> must be included.</li> </ul>	<b>Bulleted list and numbered procedure....no paragraphs</b>
<b>IV. <u>Procedure</u></b> <ul style="list-style-type: none"> <li>A <u>step-by-step</u> procedure must be clearly written so that someone else could clearly replicate your experiment.</li> <li>The design must control the variables (only <u>one</u> independent and <u>one</u> dependent variable, include a control, if applicable)</li> </ul>	<b>Bulleted list and numbered procedure....no paragraphs</b>
<b>V. <u>Data</u></b> <ul style="list-style-type: none"> <li>Include all data and analysis in this section.</li> <li>Tables, charts, and/or graphs must be included where appropriate and properly labeled.</li> <li>Independent and dependent variables are identified in all data tables and graphs.</li> <li>All calculations must be included in this section.</li> </ul>	<b>Data, tables and calculations...no paragraphs</b>
<b>VI. <u>Observation</u></b> <ul style="list-style-type: none"> <li>Describe what is observed through your senses</li> </ul>	<b>One paragraph</b>
<b>VII. <u>Conclusions</u></b> <ul style="list-style-type: none"> <li>Look at the data and analysis (Section IV)... what can be concluded from this information?</li> <li>How do these results tie into the purpose of this lab?</li> <li>Is the hypothesis supported or rejected? Why?</li> </ul>	<b>One or two paragraphs</b>
<b>VIII. <u>Comments on Validity</u></b> <ul style="list-style-type: none"> <li>How valid are the conclusions? What were the sources of error in this lab?</li> <li>How could the experiment be improved if it was done again and/or more sophisticated laboratory equipment was available?</li> <li>Do the results and/or conclusions generate any new questions?</li> </ul>	<b>Two paragraphs minimum</b>
<b>IX. <u>References</u></b> <ul style="list-style-type: none"> <li>Use scientific formatting to reference citations, if appropriate</li> </ul>	

***No personal pronouns!***

***NO 1st person (I, we), 2<sup>nd</sup> person (you), or 3rd person (he, she)!***

