

**CHML212 Lab Notebook Grading Rubric**  
**Experiments 15-25**

♥ Maximum point value= 24 pts  
♥ Additional point awarded for completing top of notebook page properly!

	Excellent (4 pts)	Good (3 pts)	Fair (2 pts)	Poor (0 pts)
<p><b><u>Objectives</u></b> Clearly states:</p> <ol style="list-style-type: none"> <li>1. What compounds will be made and how?</li> <li>2. How will the product be purified?</li> <li>3. How will the purity of the product be determined?</li> </ol>	Addresses <b>ALL 3</b> sections in <b>full</b> detail	Addresses <b>ONLY 2</b> sections in <b>full</b> detail	Addresses <b>ONLY 1</b> section in <b>full</b> detail	Does not address <b>any</b> section <u>at all</u>
<p><b><u>Chemical Equation</u></b> Must provide: Chemical equation (not mechanism) of the reaction completed during the experiment.</p>	Clearly written chemical reaction, including specific compounds and reagents used during synthesis	Chemical reaction present, although poorly written, or missing one reagent	Incorrect reaction or mechanism present	Does not address <b>any</b> section <u>at all</u>
<p><b><u>Table of Physical Data</u></b> Must provide: Single organized table, including required compounds, constants and hazards listed</p>	<b>Single</b> organized table, including <b>ALL</b> required entries	<b>Single</b> organized table, but <b>missing ONLY one</b> required entry	<b>Disorganized</b> or <b>multiple</b> tables, but <b>ALL</b> required entries <b>OR single</b> organized table, but <b>missing more than one</b> entry	Does not address <b>any</b> section <u>at all</u>
<p><b><u>Reference to Procedure</u></b> Must include:</p> <ol style="list-style-type: none"> <li>1. Full title of manual</li> <li>2. Edition of manual</li> <li>3. Author names</li> <li>4. Procedure page #s</li> </ol>	Addresses <b>ALL 4</b> sections	Addresses <b>ONLY 3</b> sections	Addresses <b>ONLY 2</b> sections	Does not address <b>any</b> section <u>at all</u>
<p><b><u>Experimental Procedure</u></b> Must:</p> <ol style="list-style-type: none"> <li>1. Clearly describe procedure used</li> <li>2. Use past tense/passive voice</li> <li>3. Include all important weights/volumes used</li> </ol>	Addresses <b>ALL 3</b> sections properly	Addresses <b>ONLY 2</b> sections properly	Addresses <b>ONLY 1</b> section properly	Does not address <b>any</b> section <u>at all</u>
<p><b><u>Observations/Calculations</u></b> Must include:</p> <ol style="list-style-type: none"> <li>1. Entries required, which are listed, but may vary depending on experiment</li> <li>2. Any calculation which is listed, but may vary depending on experiment</li> </ol>	Lists <b>ALL</b> required entries	Lists most required entries, but <b>missing ONLY ONE</b>	Lists most required entries, but <b>missing MORE THAN ONE</b>	Does not address <b>any</b> section <u>at all</u>