

CHML211 Lab Notebook Grading Rubric
Experiments 8-12

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