

**CHE 175**  
**Spring, 2006**  
**Lab Report Rubric/Cover Sheet**

**Name:** \_\_\_\_\_  
**Section:** \_\_\_\_\_  
**Date:** \_\_\_\_\_  
*(of submission)*

Please print out a copy of this form, fill in the general information above, and **staple** the form to the **FRONT** of your lab report

**Lab #1: Microwave-Assisted Synthesis of a Natural Insecticide on Basic Montmorillonite K10 Clay**

<b>CONTENT</b>		
<i>Category</i>	<i>Points</i>	<i>Explanation</i>
Completeness	<b>0</b>	All sections of the lab report are missing or incomplete
	<b>1</b>	Several sections of the lab report are missing
	<b>2</b>	All sections of the lab report are present but some are incomplete (not thorough enough)
	<b>3</b>	One section of the lab report is missing or incomplete, but the rest are present and complete
	<b>4</b>	All sections of the lab report are present and complete, including the general information cover sheet
% Yield	<b>0</b>	No product was obtained
	<b>1</b>	%Yield is less than 10 or greater than 100
	<b>2</b>	% Yield is 10-30
	<b>3</b>	% Yield is 30-50
	<b>4</b>	% Yield is 50-70
	<b>5</b>	% Yield is 80-100
Interpretation of Data	<b>0</b>	Data are not interpreted/explained/rationalized at all
	<b>1-2</b>	Only some of the spectra are interpreted or many errors were made in peak assignments
	<b>3-4</b>	All data are interpreted but many errors were made
	<b>5-6</b>	Very good effort was made but some interpretation errors present
	<b>7-8</b>	All data are correctly interpreted; correct peak assignments are made
Exercises (from Procedure)	<b>0</b>	Exercises are completely missing
	<b>1</b>	Answers show minimal effort and are mostly incorrect
	<b>2</b>	Answers show satisfactory effort but are mostly incorrect
	<b>3</b>	Answers show good effort but one or two are off-base
	<b>4</b>	Answers show good effort and are all correct
Lab Notebook Carbons	<b>0</b>	Carbons not submitted
	<b>1</b>	Carbons submitted but data are inconsistent with lab report
	<b>2</b>	Carbons submitted and data are consistent with lab report
<b>FORM/QUALITY</b>		
	<b>0-1</b>	The entire lab report is very poorly written, and/or difficult to read or understand
	<b>2-3</b>	Sections of the lab report are poorly written and/or too brief (not thorough)
	<b>4-5</b>	Lab report is reasonably well written but there are numerous grammar errors, spelling mistakes, and/or typos
	<b>6-7</b>	Lab report is well written, clear, easy to understand and follow, and all sections are thorough
<b>Total Points Awarded for Lab:</b>		<b>Comments or Suggestions:</b>