

CHE 175
Spring, 2006
Lab Report Rubric/Cover Sheet

Name: _____
Section: _____
Date: _____

*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 #5: Unknown Organic Compound

CONTENT		
<i>Category</i>	<i>Points</i>	<i>Explanation</i>
Completeness	0	All sections of the lab report are missing or incomplete
	1	Several sections of the lab report are missing
	2	All sections of the lab report are present but some are incomplete (not thorough enough)
	3	One section of the lab report is missing or incomplete, but the rest are present and complete
	4	All sections of the lab report are present and complete, including the general information cover sheet
Solubility	0	No solubility data were reported
	1	Solubility data are reported but are incorrect
	2	Solubility data are reported and correct
MP or BP	0	MP or BP is not reported
	1	MP or BP is +/- more than 5 °C or more from the actual value
	2	MP or BP is +/- 5 °C or less from the actual value
IR	0	No attempt was made to interpret the IR spectrum
	1	Minimal attempt was made to interpret IR spectrum
	2	An attempt was made to interpret the IR spectrum, but interpretation is incorrect
	3	An attempt was made to interpret the IR spectrum, but interpretation is incomplete
	4	IR spectrum is interpreted correctly and thoroughly
¹ H NMR	0	No attempt was made to interpret the ¹ H NMR spectrum
	1	Minimal attempt was made to interpret ¹ H NMR spectrum
	2	An attempt was made to interpret the ¹ H NMR spectrum, but interpretation is incorrect
	3	An attempt was made to interpret the ¹ H NMR spectrum, but interpretation is incomplete
	4	¹ H NMR spectrum is interpreted correctly and thoroughly
Unknown Identification and Rationale	0	Unknown was not identified
	1	Unknown was identified incorrectly and no explanation given to support it
	2	Unknown was identified incorrectly but some attempt at explanation was made
	3	Unknown was correctly identified but data are not used to support structure
	4	Product was correctly identified but data are used incorrectly to support structure
	5	Unknown was correctly identified and structure is supported by data
Lab Notebook Carbons	0	Carbons not submitted
	1	Carbons submitted but data are inconsistent with lab report
	2	Carbons submitted and data are consistent with lab report
FORM/QUALITY	0-1	The entire lab report is very poorly written, and/or difficult to read or understand
	2-3	Sections of the lab report are poorly written and/or too brief (not thorough)
	4-5	Lab report is reasonably well written but there are numerous grammar errors, spelling mistakes, and/or typos
	6-7	Lab report is well written, clear, easy to understand and follow, and all sections are thorough
Total Points Awarded for Lab:		Comments or Suggestions: