

<i>Criteria</i>	<b>Excellent</b>	<b>Good</b>	<b>Fair</b>	<b>Unacceptable</b>
Grammar, spelling and clarity	[3 pts] No spelling or grammatical errors; title page is properly formatted; report is neat and legible	[2 pts] No obvious spelling or grammatical errors; title page is properly formatted	[0.5 pt] Some spelling and grammatical errors; tables and figures are not properly labeled	[0 pt] Spelling and grammatical errors are distracting; no title page; no figures
Spectral Interpretation	[6 pts] Both IR and $^1\text{H}$ NMR spectra are attached and analyzed*	[3 pts] Both IR and $^1\text{H}$ NMR spectra are attached, but improperly analyzed*	[1 pt] IR and $^1\text{H}$ NMR spectra are attached but one or both do not include spectral analysis	[0 pt] Spectra are not attached
Question #1	[7 pts] Discussion includes accurately predicted regiochemistry including evidence based on $^1\text{H}$ NMR data; correct structures are included (one bonus point for correct stereochemical assignments for Markovnikov products)	[5 pts] Discussion includes accurately predicted regiochemistry but lacks evidence based on $^1\text{H}$ NMR data or incorrect structures are included	[3 pts] Discussion does not address regiochemistry and incorrect structures are included	[0 pt] No answer
Question #2	[7 pts] Discussion includes evidence based on the correct $^1\text{H}$ NMR data	[4 pts] Discussion includes evidence based on $^1\text{H}$ NMR data, but incorrect peaks are identified	[1 pt] Observations are not clearly indicated in a table format	[0 pt] No answer
Question #3	[7 pts] Discussion includes potential pitfalls of one or more steps in the reaction performed in lab with proper evidence	[5 pts] Discussion includes potential pitfalls of one or more steps in the reaction performed in lab but no evidence for that fault is present in discussion	[1 pts] Discussion lacks detail or is grossly incorrect	[0 pt] No answer

\*Analysis of the  $^1\text{H}$  spectrum, involves an acceptable drawing of the product on the spectrum that is labeled, and relevant peaks should be assigned. Analysis of the IR spectrum includes assignment of relevant bands for major functional groups.