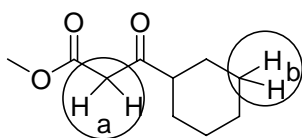


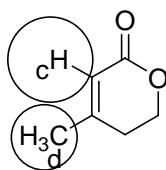
This prelab has five pages and due Mar 3 (T/R) or Mar 4 (W/F). Some sources for background information are your organic chemistry text, the Mohrig text, lecture notes on NMR from class and the laboratory manual.

1. (2 pts) Predict the chemical shift in ppm for the protons that is circled below.



Ha =                      ppm

Hb =                      ppm



Hc =                      ppm

Hd =                      ppm

2. (4 pts) Assign the spectrum for the compound listed on the pdf called Grubbs Amide Check

3. (4 pts) Pdfs are given for pages 3, 4, and 5 and contain the mass spectrum, HNMR and CNMR for an unknown organic compound. Identify the compound and give a proper name. Assignments are not required but will be necessary to receive partial credit.