

## Laboratory Report

Unknown Number \_\_\_\_\_

Attach the IR to the report. Make a table of the major peaks and the corresponding functional group.

Peak position (cm <sup>-1</sup> )	Functional group	Vibrational Mode

Attach the NMR spectrum to the report. Make a table of the chemical shift, splitting pattern, integration, and assignments for each of the major peaks in your NMR spectrum.

Chemical Shift	Multiplicity ( <i>e.g.</i> , doublet)	Integration	Assignment

Name and draw the structure of your unknown.

List any references you used to confirm the identity of your unknown.