## IR Spectroscopy Worksheet

2. How could you distinguish the IR spectra for the following alcohols? List the significant, unique peaks.



3. Both ketones and aldehydes have carbonyl groups (~1700 cm<sup>-1</sup>) so how can we distinguish between them?

a ketone

an aldehyde

4. The IR spectrum of heptyne has peaks at 3312 and 2119 cm<sup>-1</sup>. Why do these peaks disappear in 4-octyne?

4-octyne

1-heptyne