Lecture 7 CH101 A1 (MWF 9 am) Fail 2016 Copyright © 2016 Dan Dill dan @bu.edu [TP] Which bonded atoms would jiggle slowest?	Lecture 7 CH101 A1 (MWF 9 am) Wednesday, September 21, 2016
25% 1. C-S	 For today What is light Jiggling of bonded atoms Wavelength, frequency, and wavenumber Next lecture: Continue ch3: IR spectra
25% 2. C=N	http://quantum.bu.edu/CDF/101/IRFrequency.cdf;
25% 3. C=O	Begin ch4: only sections 4.1, 4.3, and 4.4 Memorize: Figs 3.19 (p75) and 3.24 (p 80)
25% 4. C-H	Do not memorize: Table 3.5 (p 78)
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[TP] Which bonded atoms would jiggle fastest?	
25% 1. C-S 25% 2. C=N 25% 3. C=O 25% 4. C-H	
BOSTON	Response Counter 10



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Jiggling of bonded atoms		
Lighter faster; stronger faster; dissimila	ir approaches lighter	
Interactive exploration		
http://quantum.bu.edu/CDF/101/IRFrequency.cdf		
Atom 1 C • Atom 2 • • Bond Single Double Triple Time	•	
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