In Class Structure Solving Problem

Find your name within one of the groups. If your group has an even number next to the first persons's name, download the "even" set of spectra. If the number is odd, download the "odd" set of spectra.

The molecule for the "odd" set has a molecular formula of $C_6H_{14}N_2$. It is chiral. When calculating the IHD, remember that nitrogen is trivalent, not divalent. So your reference compound must take this into consideration (it should have extra hydrogens.) Consult pg 184 of your textbook (How to calculate IHD).

The molecule for the "even" set has a molecular formula of C_5H_8O . It is achiral.

You will work on solving the structure of your group's molecule in during class (9/8) using the spectral data. I will be available to answer questions and guide you through the process. These are difficult! Don't get frustrated. As a group, you are much more likely to solve the problem than any individual would.

(1) Alex Burum	(2) Andrew Bryan	(3) Kristen Burson	(4) Kyle Carlson
Danielle Forstner	Erin Ge	Bryce Gode	Nissa Hannemann
Jeffrey Rock	Doug Schroeder	Bonginkosi Sibiya	Jill Verchota
Ellen Sauter	Sunny Sonnabend	Michael Stangler	Zach Alwine
Ben Treichel	Luis Valle	Krista Cruse	Bridget Hoesley
(5) Holly Cooper	(6) Dan Freeman	(7) Maari Hanson	(8) Ben Levy
Steve Howard	Scott Kyser	Krystal Long	Brittany Murphy
Zach Walgenbach	Alex Burleigh	Chris Ditlevson	Eric Kraska
Michael Butterworth	Nate Erickson	Jennifer Krantz	Raychal Zupancich
Lauren Hom	Fue Vang	Alyssa Brooks	Brian Castle
(9) Steph Lewis	(10) Chris Lund	(11) Emily Pelton	(12) Amy Waldner
Kathryn Pesch	Matthew Royer	Stephanie Soiseth	Kelly Rozenboom
Nick Malm	Eric Nelson	Rachel Roberg	Danielle Burras
Rachael Chaska	Micah Deitz	Douglas Durand	Sarah Erickson
Matthew Hoke	Timothy Lamanna	Jenna Paulsen	Rachel Poppy
(13) Leah Swanson	(14) Brianna Vaa	(15) Morgan Wells	(16) Trevor Wittwer
David Wold	Conner Ziegler	Nate Bower	Arie DeGrio
Ryan Casper	Mackenzie Consoer	Rachel Elvebak	Jenna Kesty
Aaron Insley	Brent McConahey	Kristen Oldenburg	Eric Anderson
Marcus Perry	Aaron Roessler	_	
(17) David Wray	(18) Emily Barnard		
Sarah Duncan	Justin Hahn		
Chris Leonard	Matija Novakovic		
Kari Maffit	Chad Olson		