

CHEM 244 Announcements: M 2/12/18

•**TODAY:** WS-10 (Exam I review); Graded WS-9

•**Exam I: Wednesday, February 14**

-Extra copies of the Study Guide are available

-Exam I Study Guide answer key posted

-Extended Office Hours: Tuesday, 3-5

-Peer Leader Review Sessions:

-Monday: 3-6

-Tuesday: 4-6

•**Peer Tutors!** 1:1 or small group! Ask Dr. Brush.

•**VIDEO LECTURES:** You are responsible for watching and taking notes on the following video lectures:

-TODAY: Exam I Review Worksheet

-Wednesday: Exam I

-Friday: 9-7; 14-1 & 14-2

CHEM 244 Exam I – February 14, 2018

In room 477 you will find....

- **Periodic Table/IR Chart (yellow sheet), scrap paper**
- **Sign the attendance sheet, take your seat, and I will bring the exam to you.**
- **15 minute buffers at the beginning and end of the class period. I will start bugging you at the end of the regular class time to turn in your exam!**

******Next Class: Friday, February 16:
Video Lectures 9-7, 14-1 & 14-2**

CHEM 244 Announcements: F 2/16/18

•**TODAY:** WS-11; Graded WS-10

•**POSTED!** Exam I answer key

•**Peer Tutors!** 1:1 or small group! Ask Dr. Brush.

•**VIDEO LECTURES:** You are responsible for watching and taking notes on the following video lectures:


-TODAY: 9-7; 14-1 & 14-2

-Monday: No classes!

-Wednesday: 14-3

-Friday: 15-1

The absorption bands of different functional groups absorb at different frequencies and intensities. Keep it simple!

Type of bond	Wavenumber (cm^{-1})	Intensity
$\text{C}\equiv\text{N}$	2260–2220	medium
$\text{C}\equiv\text{C}$	2260–2100 (~ 3300 if terminal)	medium to weak
$\text{C}=\text{C}$	1680–1600	medium
$\text{C}=\text{N}$	1650–1550	medium
	~ 1600 and $\sim 1500\text{--}1430$	strong to weak
$\text{C}=\text{O}$	1780–1650	strong
$\text{C}\text{--}\text{O}$	1250–1050	strong
$\text{C}\text{--}\text{N}$	1230–1020	medium
$\text{O}\text{--}\text{H}$ (alcohol)	3650–3200	strong, broad
$\text{O}\text{--}\text{H}$ (carboxylic acid)	3300–2500	strong, very broad