

Spectroscopy Review

Practice Problems for CHEM 2444 Final Exam



IR Spectroscopy

Practice Problems:

- [IR Spectroscopy: 4 Practice Problems - Master Organic Chemistry](#)
- [IR spectra practice \(video\) | Spectroscopy | Khan Academy](#)
- [Interpreting IR Spectra: A Quick Guide – Master Organic Chemistry](#) (Quiz questions at the bottom of the page!)
- [IR Spectroscopy - Practice Problems](#)



UV-Vis Spectroscopy

Practice Problems:

- [UV-Vis Spectroscopy: Practice Questions – Master Organic Chemistry](#)
- [What is UV-Vis Spectroscopy? And How Does It Apply To Conjugation?](#)



Carbon-13 NMR

Practice Problems:

- [What is UV-Vis Spectroscopy? And How Does It Apply To Conjugation?](#)
- [Carbon13 NMR - Two worked examples](#)



Proton NMR

Practice Problems:

- [Proton NMR practice 1 \(video\) | Spectroscopy | Khan Academy](#) (There are 3 practice problem videos on this page, I recommend all of them!)
- [1H NMR: How Many Signals? – Master Organic Chemistry](#)
- [Spectroscopy Problems](#) (includes other types of spectroscopy as well!)



Mass Spectrometry

Practice Problems:

- [2.8: Mass Spectrometry Problems - Chemistry LibreTexts](#)
- [Mass spectrometry of elements \(practice\) | Khan Academy](#)
- [1.7.6: Mass Spectrometry- Problems - Chemistry LibreTexts](#)