CHEM210

Focus Questions for IR Spectroscopy

Please make short notes on the following.

IR Spectroscopy

Use as a resource the readings given in the e-classroom (topic 7) and the recommended text pg. 811-819.

1. What is the effect of absorption of IR light on molecules?
2. Do all molecules absorb IR radiation?
3. What is the strength of IR spectroscopy in Analytical chemistry?
4. What are three types of IR spectrometers?
5. Which is the most popular of the three, and why?
6. Are IR spectrometers routinely used for quantitative determinations? Explain your answer.
7. How is a sample for IR analysis prepared?
8. What is the advantage of the use of KBr as against Nujol in IR analysis?