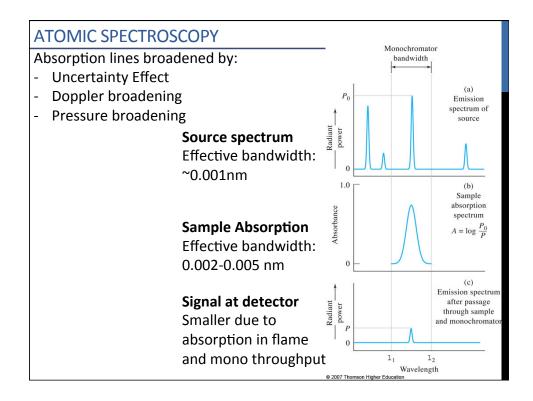
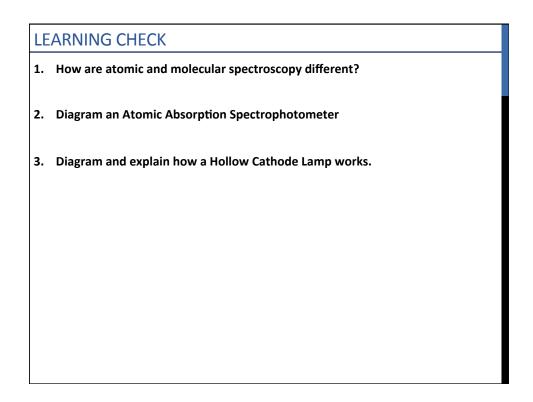
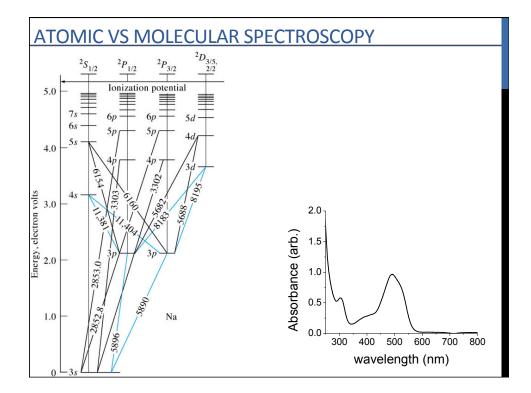
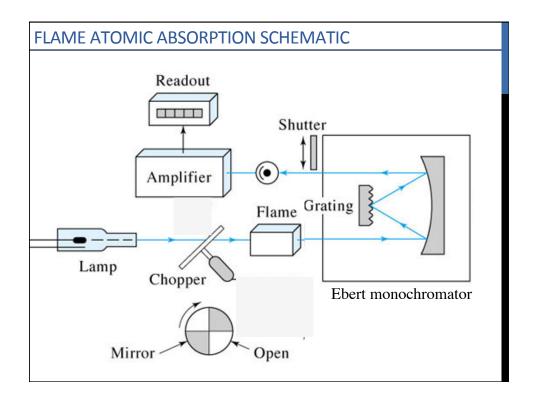


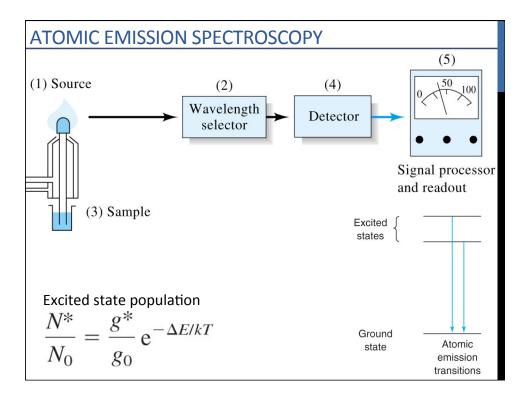
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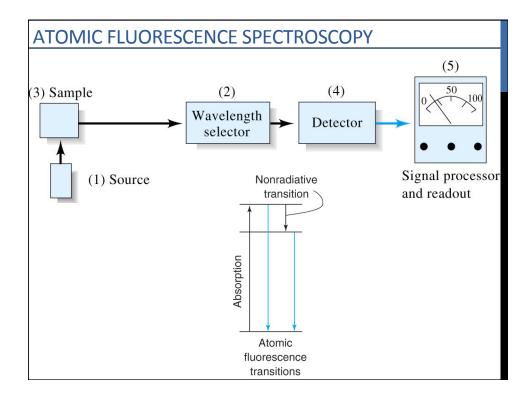


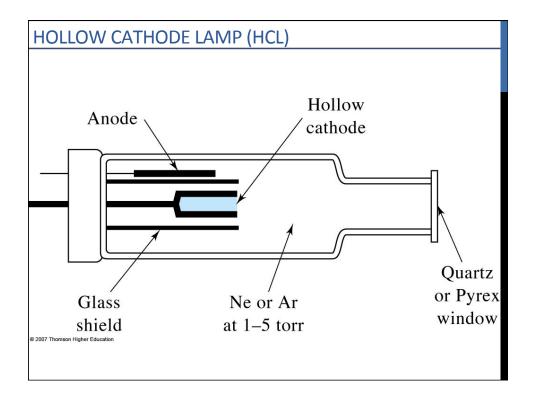


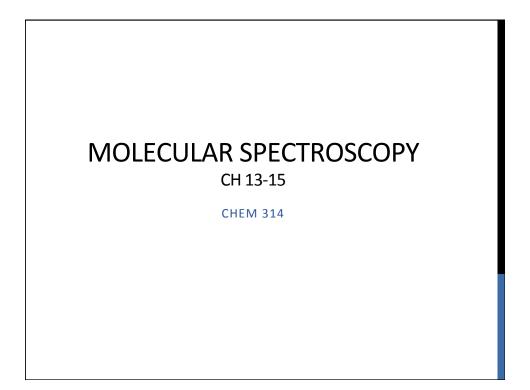


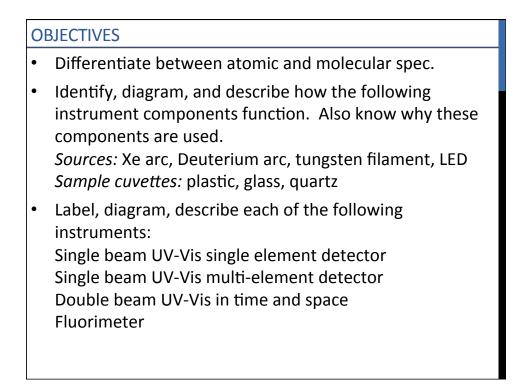


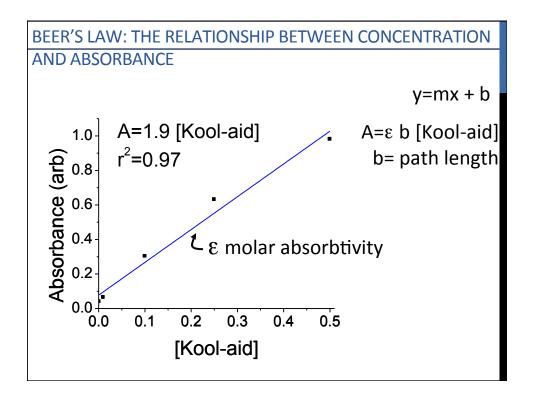


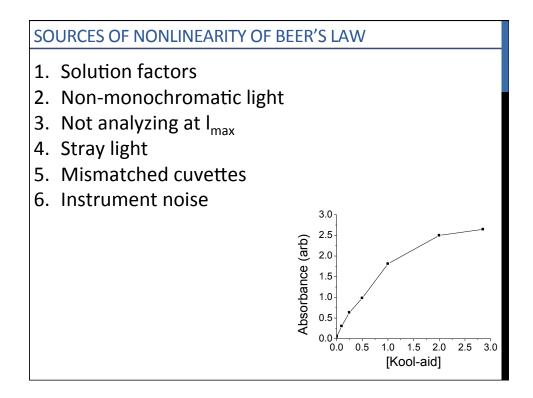


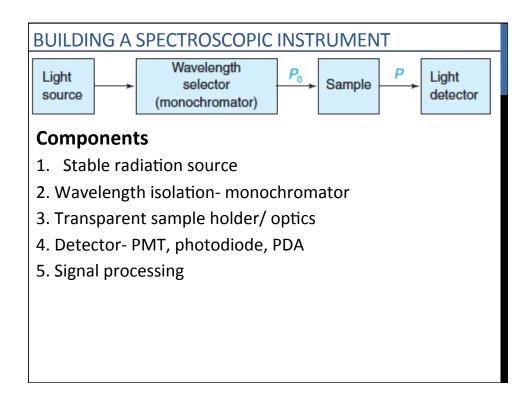


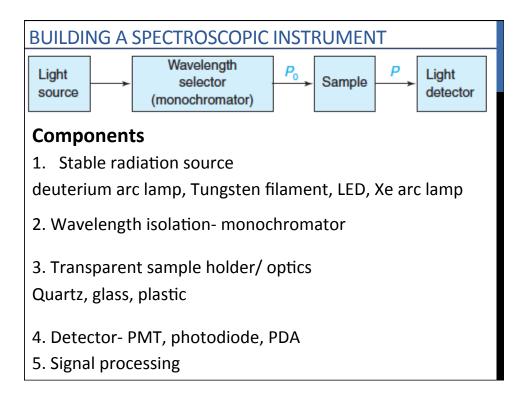


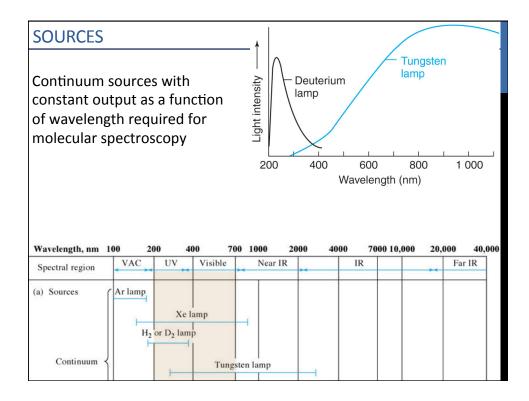


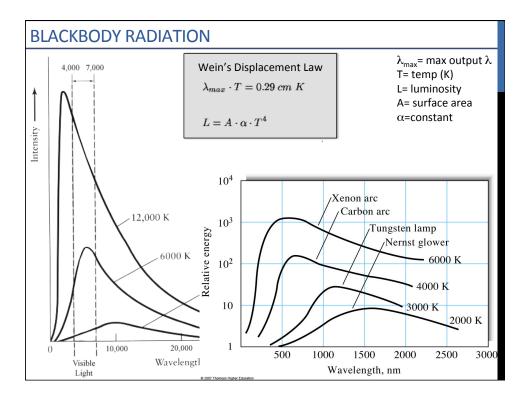




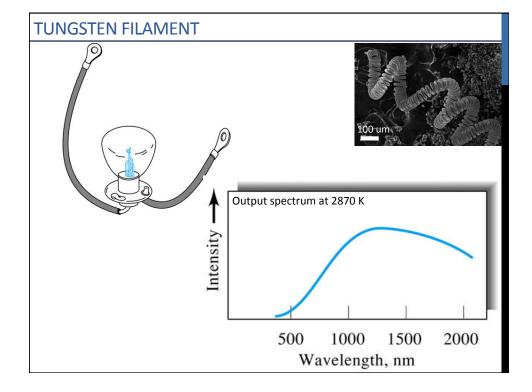


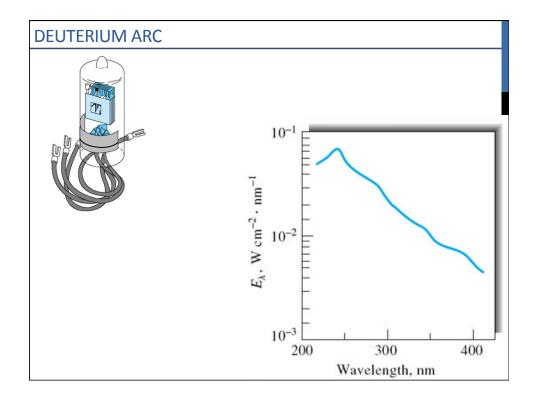


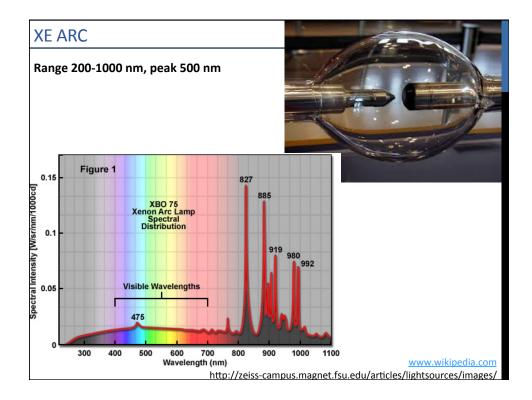




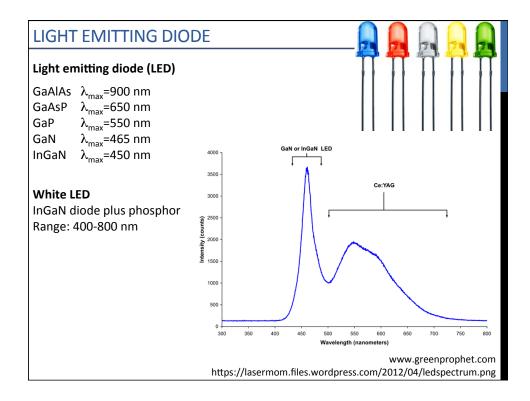
 $L = 4\pi R^2 \cdot \alpha \cdot T^4$ $\alpha = 5.670 \cdot 10^{-5} \ ergs/s/cm^2/s^2$

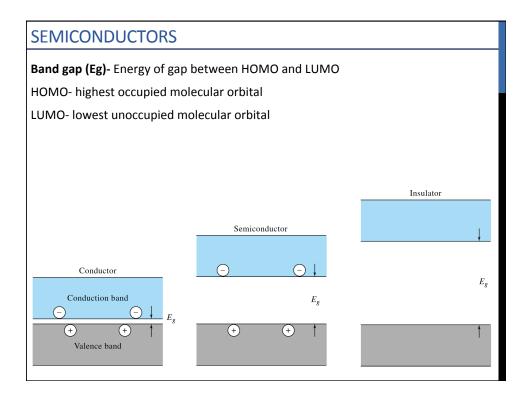


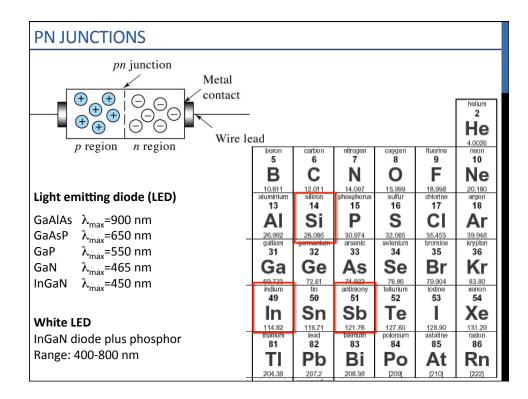


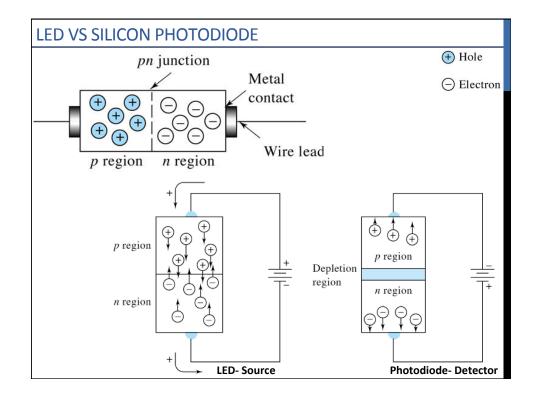


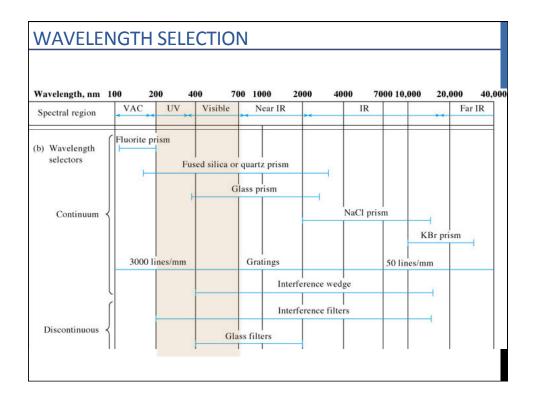
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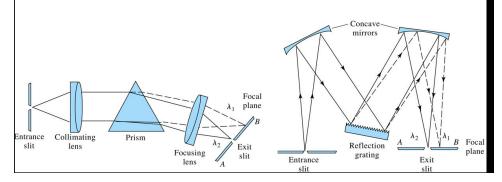


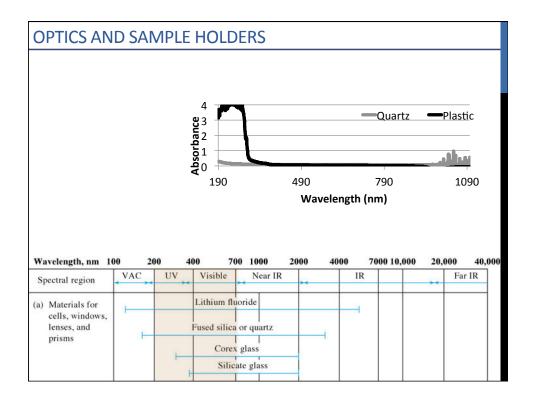


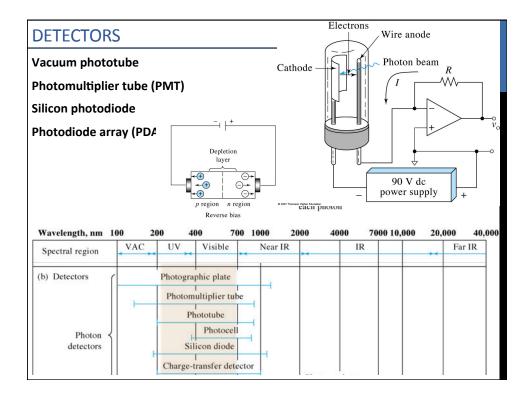


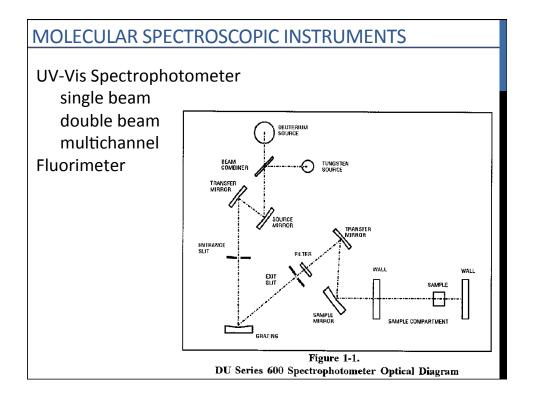
MONOCHROMATORS

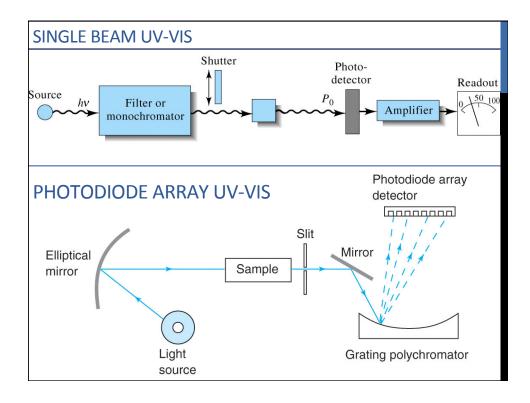
- 1. Entrance slit- provides rectangular optical image
- 2. Collimating lens or mirror- makes light beams parallel
- 3. Dispersive element- disperses light into component wavelengths
- 4. Focusing element- reforms rectangular optical image focused on focal plane
- 5. Exit slit- on focal plane, selects desired bandwidth

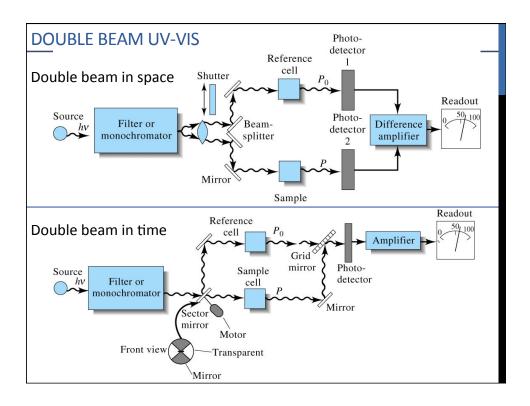


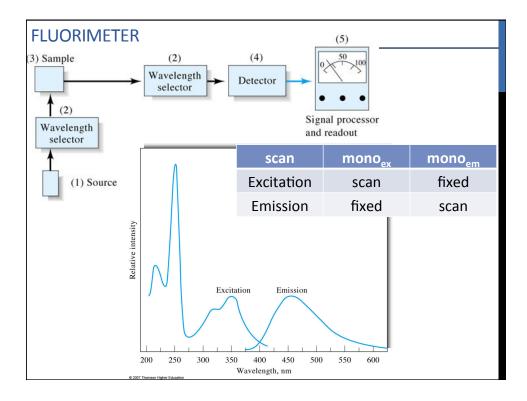




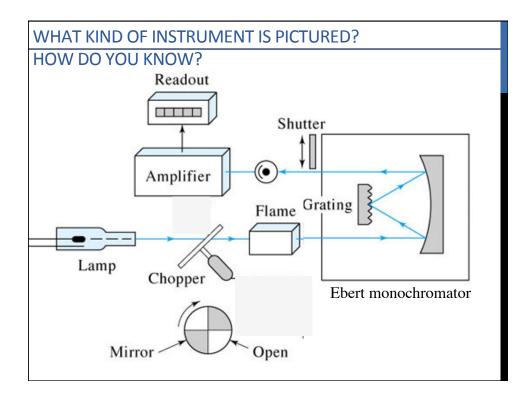


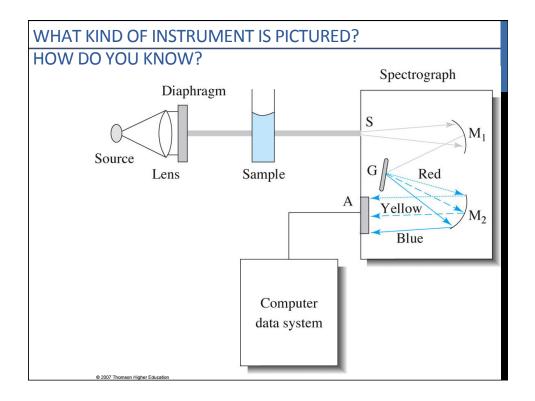


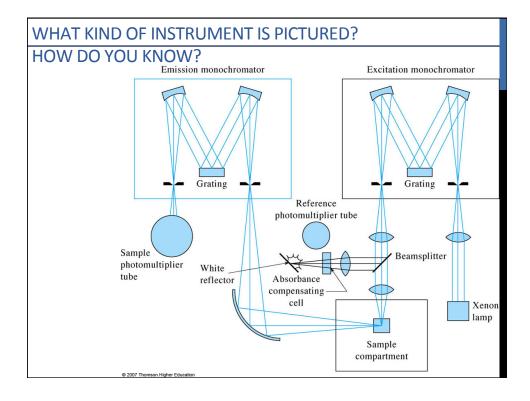


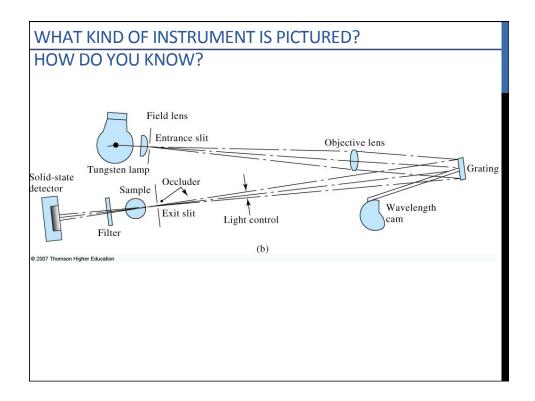


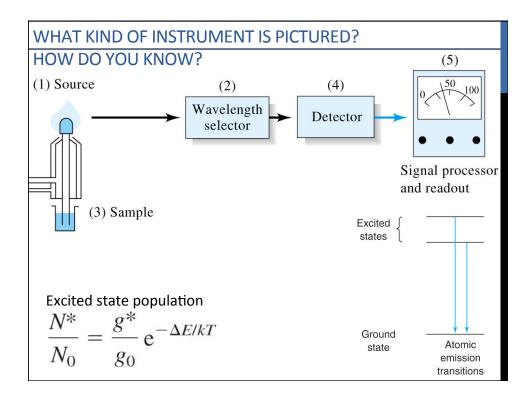


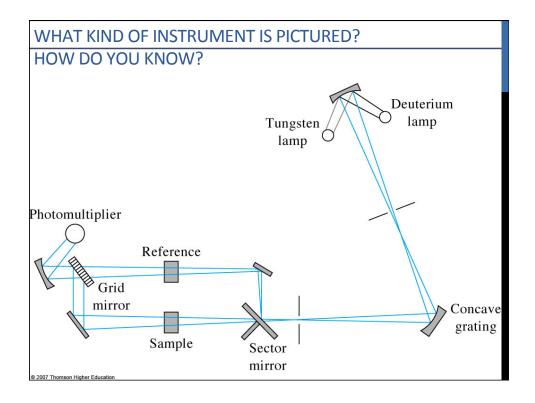


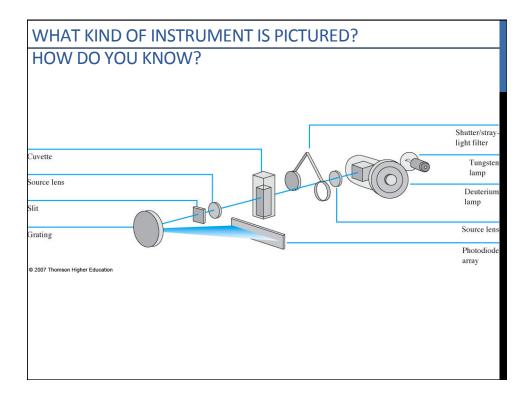


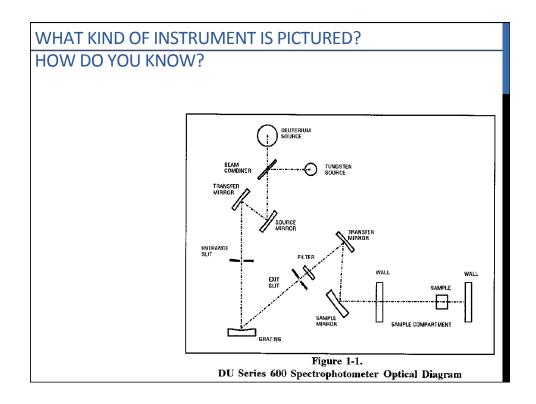


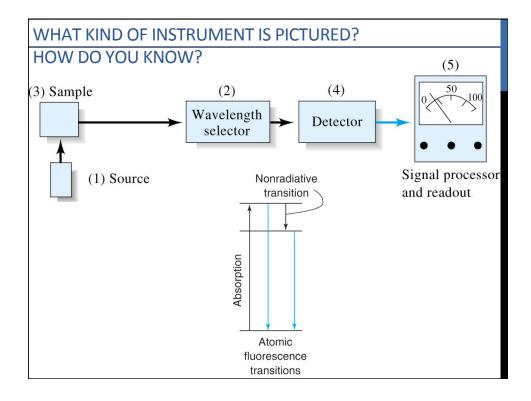


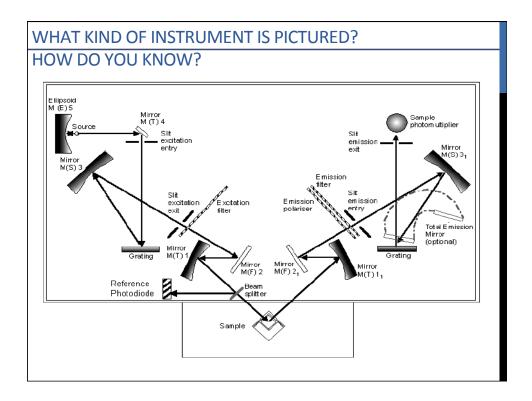


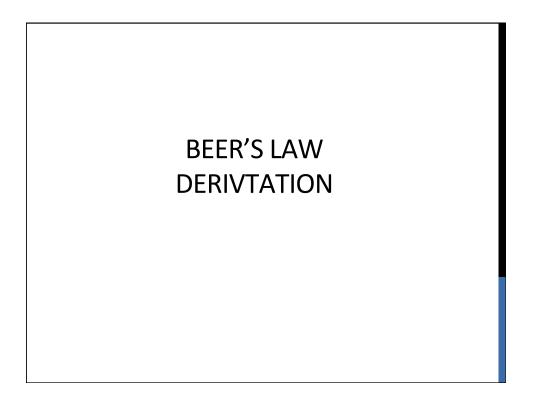


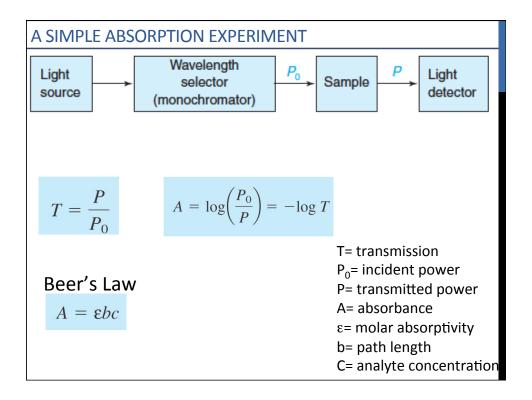


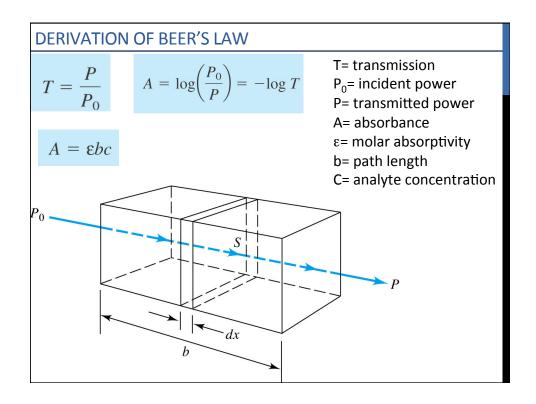












WRITING A PROCEDURE

- 1. Descriptive Title
- 2. Purpose
- 3. Background
- 4. Safety- print MSDS
- 5. Sample preparation
- 6. Instrument parameters
- 7. Data tables- in lab notebook
- 8. Data analysis
- 9. References
- 10. What do you need?
- 11. Appendices

CONTRIBUTING RESOURCES TO WEBSITE (5 PTS EA)

5 pts each- up to 20 pts extra credit

Resources

- 1. Descriptive title- What have you found? books, ebooks, websites, anything
- 2. Source- Where to find the resource (citation or web link)
- 3. Content- Describe what is available (2-3 sentences)
- 4. Reliability and Usefulness- your opinion about resource reliability and helpfulness
- 5. Who's Contributing? Your name or pseudonym

Contributions are only accepted before the applicable report is due

Submit via email

LOOKING AHEAD

Monday (Feb 8)- Molecular Spectroscopy (Ch 13-15), Writing Procedures

Tuesday/Thursday (Feb 9, 11)- Experiment 1 Metals

Due Thursday: Annotated Figures 1, Experiment 1

Monday (Feb 15)- Vibrational Spectroscopy

Due: Project Overview

Tuesday/Thursday (Feb 16,18)- Experiment 2- Plastics

