Honors Chemistry I - Lesson Plans

Date	Lesson	Assignment
Monday 10/16/17	**Chapter 4 Extra Credit (5)** **Chapter 4 Test (100)**	Read 5.1 & 5.2 SG 5.1
Tuesday 10/17/17	Lecture: 5.1 (Visible Light Spectrum, ROYGBIV) - Frequency, Wavelength, Amplitude - Electromagnetic Spectrum - Calculating Wavelength of an EM Wave	5.1 Book Problems: (1-5,7-10,12,31-38,65-70)
Wednesday 10/18/17	Lecture: Particle Nature of Light - The quantum Concept - Calculating the Energy of a Photon - Wave Model vs. Particle Model	The Wave and Particle Nature of Light 5.2 Book Problems: (13-15,17,39-52,54-56)
Thursday 10/19/17	Lecture: 5.2 - Reviewing the first atomic models - Bohr Model - Energy Levels, - Ground vs. Excited State **Pre-Lab: Flame Test Lab (due tomorrow)**	SG 5.2 Flame Test Pre-Lab
Friday 10/20/17	**Flame Test Lab**	Lab Report (Due Monday 10/23)

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Monday 10/23/17	**Lab Report Due (40): Flame Test** Lecture: 5.2 - Problems with Bohr Model - Quantum Mechanical Model - Orbitals, Sublevels, Energy Levels	Bohr Model/QMM Model Worksheet
Tuesday 10/24/17	**Quiz 5.2 (10)** Lecture: 5.3 (Aufbau, Hund, Pauli) - Orbital Diagrams & Electron Configurations	SG 5.3 Orbital Diagrams Worksheet
Wednesday 10/25/17	**Quiz 5.3 (10)** Lecture: 5.3 (Questions using electron configurations) - Abbreviated configurations	Abbreviated Configurations Using Electron Configurations
Thursday 10/26/17	Lecture: Exceptions, Valence Electrons & Electron Dot Structures Review: Chapter 5 Material	Ch. 5 Supplemental Problems Ch. 5 Review
Friday 10/27/17	**Ch. 5 Extra Credit (5)** **Chapter 5 Test (100)**	Read 6.1 & 6.2 SG 6.1