2009-2010 Chemistry, Chapters 4 & 5: Atomic Theory

Essential Questions: What are we made of?

- How are scientific models developed?
- Do atoms exist or are they just concepts invented by scientists? What evidence is there in your everyday life for the existence of atoms?
- How did the understanding of the atom affect historical events?
- How have historical events affected the model of the atom?
- What do we think the atom "looks like" now?
- If the atom is mostly empty space, why doesn't my butt fall through the chair?
- How are light and electrons related?
- How do we "see" where electrons are located in the atom?
- Why is the location of electrons so important?

Week of:	50 minutes	90 minutes	90 minutes
10/26/09	Mon. Oct. 26 Quiz 7 - % composition, empirical formula, molecular formula, mass percent and molarity HW: download and print Atomic Theory notes (> 20 pages); RQ 4.1 (from website)	Tues./Wed. Oct. 27/28 Preparation for test – review old quizzes, see new review sheet (30 min.) Begin Atomic Theory – Ancient history Inventions (45 min.)	Thurs./Fri. Oct. 29/30 Test on Measurement and Moles HW: Enjoy your weekend!

a) 2s b) 4p c) 3d d) 1p

Write the electron configurations for the following elements.

a) P b) Y c) Cs d) Ra e) Cm f) He g) Ni h) S