

## \* Lesson plan # 6

Start: week of 11/16/08

Assessment: TBA.

\* Text: Chapter 4

Arrangement of electrons in atoms:

\* Learning goals:

1. Electromagnetic spectrum. All the forms of electromagnetic radiation: gamma ray, X-ray - ultraviolet, visible, IR, microwaves and the radio waves.
2. Mathematical relationship between  $c$ ,  $\lambda$ ,  $\nu$
3. Electromagnetic radiation has dual wave particle nature.
4. Moving from Bohr's model to quantum model.
5. Quantum numbers.