



CALIFORNIA CONTENT STANDARDS:

1g: Students know that spectral lines are the result of transitions of electrons between energy levels and that these lines correspond to photons with a frequency related to the energy spacing between levels by using Planck's relationship, ($E=h\nu$)

CALIFORNIA CONTENT STANDARDS:

5.3.1: Describe the relationship between the wavelength and frequency of light.

5.3.2: Identify the source of atomic emission spectra

5.3.3: Explain how the frequencies of emitted light are related to changes in electron energies.

Stamp WB: **Orbitals of Hydrogen**
 Page 146, 16, 18, 21
 Prac. Problems 5.2

Set: **Voc. Chapter 5 Quiz**

Lab: **Lab # 10 Light Spectrum**

Page 142 Text

Students will determine energy levels of electron movement, and note the difference in colors produced by different elements with different electron configurations.

Trans 13: Waves and Electromagnetic Spectrum Work sheet

Home Work:
WB 5.3