



CALIFORNIA CONTENT STANDARDS: Science, Chemistry

SEP 2; DCI PS1.A, PS4.B; CCC 1,3,4,5

**Demo #4:**                    **Hydrogen Balloon**

Exothermic Reaction: gas, heat, light

**Chemistry  
Standard:**

1e: students know how to relate the position of an element in the periodic table to its quantum electron configuration

1i: students know the experimental basis for the development of the quantum theory or atomic structure and the historical importance of the Bohr model

1j: students know that spectral lines are the result of transitions of electrons between energy levels

**Lecture:**                    PPT: Electron Orbitals (Page 30 in NB)

Chapter 5.1 Electron Orbitals

Electron Orbitals Overhead

Copy down chart in notes

**Class Work:**                **Electron Orbital Practice (1-4)**

**Work Book:**                **Page 151-153**

**Home Work:**