

Name: _____

Period: _____

Lab #3 – Spectral Analysis

Lab Day: _____

1. List three ***scientists*** and their contribution to the evolution of the structure of the atom.
2. What is the ground state? The excited state?
3. What is an emission spectrum? Why do we view it using a diffraction grating or prism?
4. The Mars Curiosity Rover is equipped with a spectrometer. Why might it be useful to have this instrument onboard the rover? How would you expect it to work?

