**Bohr and Flame Test Makeup – Topics**

1. Define the following terms (2 pt each):

* flame test
* excited state
* orbital
* spectroscopy

1. When we did the flame test lab, why didn’t we see the lines in the spectra for each element? (3 pt)
2. Explain the process by which light is given off when an atom is heated, as we did in the flame test lab. (4 pt)
3. Why don’t different elements have the same line spectra as each other? (3 pt)