**Topics Quiz Review: Bohr Atom and Spectroscopy**

Note: Points are given for each question so you can determine what you might have gotten if this were a real quiz. This homework is *not* a quiz, so don’t worry that I’ll give you a quiz grade on it.

1. Explain how a line spectrum is formed when energy is added to an atom. (5 pt)
2. How is a line spectrum different from a continuous spectrum? (2 pt)
3. What are ground state and excited state orbitals? (4 pt)
4. Draw the Bohr atom, labeling the following features: nucleus, orbital, electron, the location of the positive charge, the location of the negative charge. (10 pt)