**Topics Quiz: Bohr Atom and Spectroscopy**

1. Explain how a line spectrum is created when energy is added to an atom. (5 pt)
2. What is a line spectrum, and how does it differ from a continuous spectrum? (4 pt)
3. Do you believe that spectroscopy can be used to identify any element? Why or why not? (5 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)