**AP Chemistry**

**2012-2013**

**The Periodic Kingdom**

**Part III Government and Institutions**

Answer the following questions pertaining to Chapters 8-10.

**Due October 16th**

1. The Laws of the Interior

Rutherford’s gold foil experiment is famous for the development of the nuclear atom model. But in fact, the results were much more momentous than the atom has a nucleus. Discuss how the results of the gold foil experiment, the contribution of Henry Moseley, and the discovery of isotopes helped develop a more accurate model of the atom.

2. The Laws of the Exterior

Quantum mechanics is discussed in this chapter. Does the analogy help in the understanding of quantum mechanics? Justify your viewpoint.

3. Periodic properties are discussed at some length in Chapter 10 “Regional Administration”. List three periodic properties that were discussed. Describe the trends and state the reason(s) for the trends.