\*Chapter 5 Practice Quiz

E=hv, c=λV

1. What was wrong with Rutherford’s model?
2. Explain the Thompson model and Bohr models.
3. What is the energy required to move an electron from one electron shell to another?
4. Does this energy increase or decrease in each electron shell as electrons move further from the nucleus?
5. Write the full electron configuration of Tantalum (Ta).
6. How does the wavelength of a lightwave affect its frequency?
7. Explain the wavelength and frequency of a lightwave?
8. The wavelength of light ultraviolet is 7m. Find the quanta of this lightwave.
9. What is the electromagnetic spectrum? Give order of wave types.
10. What are atomic spectra?