

Homework for Submission #1

Chemistry 235 Semester 01-2009

Submit the following essay for marking on or before Monday 7th Sept. 2 pm in the chemistry drop box and by email. If any answers show evidence of copying, the whole exercise will attract zero marks. Remember: cut and paste earn no marks – you must paraphrase in your own words.

Title: “The Origin of the Modern View of the Atom”.

Your essay should give a brief account of the phenomena of *Black Body Radiation*, *The Photoelectric Effect*, *Line Spectra*, and *Electron Diffraction*, and show how these led to the modern idea of the electron in an atom as a *standing* or *stationary* wave.