

Name _____ Period _____

College Prep Chemistry of the Earth System

Assignment 1B – The Subatomic Particles

20 Points

Complete the following questions based on the in class presentation

What is a cathode ray tube and how was a magnet used to determine the charge of light (<i>electrons</i>) inside?	How are alpha particles responsible for the discovery of the positive protons in the atom?
How was Rutherford's Gold Foil Experiment done and what did it discover?	Why were neutrons so hard to find relative to the protons and electrons?

Define the following atomic models

Tompson's Plum Pudding Model	Rutherford's Atomic Model

Define the role of the following particles in the atomic structure

Electrons (e^-)	
Protons (p^+)	
Neutrons (n^0)	