

College Prep Chemistry of the Earth System

Assignment 3B

20 Points

The Subatomic Particles

Answer the following questions based on the in class discussion and presentation

1. What is a cathode ray tube and how was magnet used to determine the charge of the light (electrons) inside?
2. How were alpha particles responsible for the discovery of a positive (+) protons in the atom?
3. How was the Rutherford gold foil experiment done and what did it find?
4. Define the following atomic models based on what they found/defined
 - a. Thompson's Plum Pudding
 - b. Rutherford's Atomic Model
5. What is the role of the electron, proton, and neutrons in the atomic structure?