

College Prep Chemistry of the Earth System

Assignment 3A

20 Points

Atomic Development

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

1. What was Democritus main idea about matter, and how was this ideas different from preliminary ideas of matter?
2. What is other Greek philosopher's add to the Democritus model of the atom?
3. What is Alchemy and how did this practice add to the concept of the atom?
4. Define the laws of
 - a. Conservation of Matter
 - b. Conservation of Mass
 - c. Definite Composition
5. What were Dalton's 4 theories on the atomic development? Why was his work considered the start of modern scientific thought?