

College Prep Chemistry of the Earth System

Assignment 3A – Atomic Development

20 Points

Complete the following questions based on the in class presentation

What was the most basic ideas of matter from the ancient Greek philosophers	How did Democritus define matter and the atom?
What did the Greek Philosophers after Democritus add to his original atomic model?	What did the art of Alchemy do for science and the atom in general?

Define the following terms

Matter and States of Matter	Law of Conservation of Matter
Law of Definitive Conservation	Law of Conservation of Mass

Complete the following for Dalton's Main Theories

First Principle of Matter	Second Principle of Matter
Third Principle of Matter	Fourth Principle of Matter