

1. What are the three subatomic particles + their charges?
2. What does the Greek word “atom” mean?
3. What did the Greek Philosophers originally think were the only elements?
4. What is the Law of Conservation of Mass?
5. Summarize Dalton’s Atomic Theory: (What two Laws did he use to develop his theory?)
6. The Cathode Ray Tube was used to discover what subatomic particle: _____.
7. What are the names of the charged plates within the Cathode Ray Tube?
8. What 3 pieces of information about electrons did JJ Thomson discover?
9. Draw Thomson’s Plum Pudding model of atoms:
10. Describe Rutherford’s experiment.

11. How did Rutherford change Tomson's model of an atom in his nuclear model?
12. James Chadwick discovered neutrons in 1932. What unit did he use to talk about the mass of an atom?
13. Protons and Neutrons add up to the Mass number of an atom – Give an example below.
14. What is an ion?
15. Do some research on the Planetary Model (Bohr Model), & the Electron Cloud (Quantum) Model + Draw them below.
16. Which model of the atom makes the most sense to you and why?