

ATOMIC THEORY

PRINT NAME _____ **Period** _____

You may use your notes but no help from others.

1. Diagram the Tube of Sir JJ Thompson, tell how it works and what we learn from it.
2. Explain the Millikan Oil Drop Experiment and list three things we learn from it.
3. Diagram the Canal Ray Tube (with cathode in the middle) and tell what two things were discovered in it.
4. Diagram and explain how Becquerel discovered radioactivity.
5. Diagram and explain how Lord Rutherford discovered the three rays of radioactivity and tell what the three rays are composed of.
6. Explain one way to measure the size of a copper atom.
7. Discuss the Law of Conservation of Mass and give an example.
8. Define Positive Charge, Negative Charge, Neutral Charge, and the Law of Charges.
9. Diagram the Crookes Tube (with iron cross), explain how it works, and list five properties of the Cathode Rays found therein.
10. Diagram the Tube of Jean Perrin (paddle wheel), and tell how it works and what we learn from it.