**Atomic Theory Timeline Project** 

Date Assigned:

Date Due:

 You will create a poster of your assigned scientist that shows how they contributed to the development of atomic theory. Your poster must show any important dates related to the atom or subatomic particles and describe any related theories, models, and experiments. Pictures are welcome. These posters will be used by the class to take notes on the development of the modern atomic theory.

**Scientists**

Democritus/ Aristotle

John Dalton

Sir William Crookes

Robert Millikan

JJ Thomson

Ernest Rutherford

James Chadwick

Max Planck

Albert Einstein

Neils Bohr

Louis de Broglie

Werner Heisenberg

Erwin Schrödinger

**Particles, Theories, Models, & Experiments**

Atom

Bohr/planetary model

Cathode ray experiment

Cathode ray tubes

Charge to mass ratio of electrons

Dalton’s atomic theory

Electron

Electrons as waves

Gold foil experiment

Neutron

Nucleus

Photoelectric effect

Proton

Quantum concept

Quantum mechanical model

Rutherford’s model

Uncertainty principle