**The Development of *The Atomic Theory***

**1803**

**John Dalton**

He created the 1st Atomic Theory

1. Atoms are invisible/indivisible.

2. Each Element has Unique Atoms.

3. Atoms of different elements are

dissimilar.

4. When atoms of different elements combine they form compound molecules

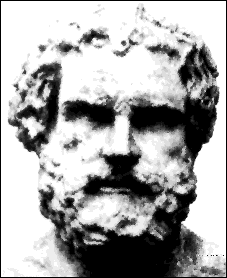
**440 B.C.**

**Democritus**

He named the atom

after the Greek word atomos

which = indvisible.



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**Modern Theory Scientists**

**Erwin Schrodinger and Werner Heisenberg**

They determined that the electrons don’t orbit in clouds around the nucleus and the exact pathway or location of the electron cannot be known.

**1932**

**James Chadwick**

He discovered the Neutron.

**1913**

**Niels Bohr**

He proposed his

“Planetary Model” of the atom.

He said that the electrons orbit the

nucleus like planets around the sun.

**1903**

**Ernest Rutherford**

He performed experiments

to prove that atoms had positive

charged particles in the nucleus.

**1897**

**J.J. Thompson**

He performed experiments

with a cathode ray tube to

discover the negative particles

of the atom (electrons).