

# Notes: History of Atomic Theory

Democritus - "atomos"

Dalton - solid sphere model  
atoms are indivisible  
atoms of same element  
are identical  
example



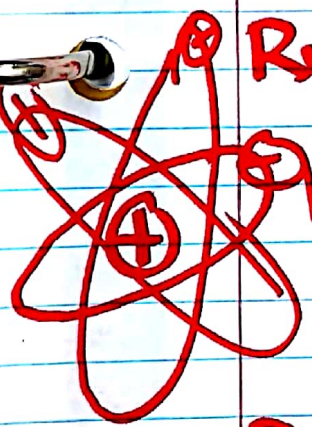
1803

Thomson  
~~Rutherford~~ - plum pudding model  
discovered electrons  
↳ cathode ray tube



1904

Rutherford - nuclear model  
discovered nucleus  
↳ gold foil experiment  
Chadwick discovered  
neutron later  
atom mostly empty space



1911

Bohr - planetary model  
electrons orbit in energy  
levels



1913

low E  
↓  
high E

1st level holds 2 e<sup>-</sup>  
2nd level holds 8 e<sup>-</sup>  
3rd level holds 8 e<sup>-</sup>