



Atomic Models - History


1803 John Dalton: - Earliest model.
 - "Billiard Ball" model.
 - atom is a small indivisible particle.




1897 J.J. Thomson - "Raisin Bun" model.
 - Dough → positive material.
 - Raisins are negatives.




1909 Rutherford - positive nucleus surrounded by negative electrons. The atom is mostly empty space. (Gold foil exp)
 (green pea suspended in middle of gym)



1913 Bohr - "planetary arrangement"
 - electrons orbit the nucleus at different energy levels. "uncertainty principle"



Present - "Electron Cloud Model"
 - based on Quantum Mechanics.
 Heisenberg - you cannot determine the location & speed of an electron at the same time.



Mar 25-8:48 AM