






History of the Atom: Quick Study

Scientist	Contribution	Model
Democritus	Theory that atoms Exist!	N/a
Dalton	Atomic Theory! 1. atoms indivisible 2. atoms of same element = same 3. different elements = different 4. Law of def. Proportions	 marble No Parts
Thomson	found electron!	 Pos. Plum pudding Neg.
Rutherford	Gold Foil Experiment. Found Nucleus! - Small! Dense! Positive!	most Atom is Empty Space!  e ⁻
Bohr	Orbits! like planets around sun!	 low Energy high Energy

Other contributors

Scientist	Contribution
deBroglie	e's have wave-like properties  nucleus ← e's
Heisenberg	Can't know the exact <u>location</u> + <u>motion</u> of an e ⁻ @ same time!
Aufbau	fill lowest Energy level 1st! Closest to Nucleus! - Lazy!
Hund	Electrons in orbitals one @ a time! - Don't share!