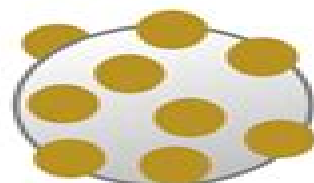


Dalton, 1808

First to describe atoms in a modern, scientific sense

– Doesn't explain electricity

+ Idea of "atoms"

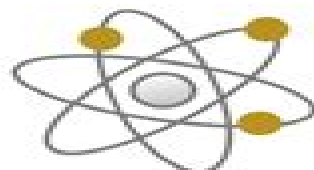


Thomson, 1897

Thomson's Plum Pudding Model

– Doesn't explain why some of Rutherford's α -particles bounced back

+ Protons & electrons



Rutherford, 1911

Rutherford shot α -particles through gold foil; some bounced back!

– Why don't the electrons lose energy and crash into the nucleus?

+ the Nucleus

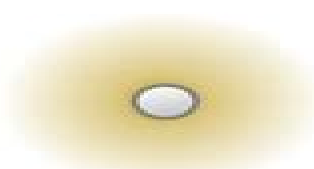


Bohr, 1913

Basis for our modern atomic model

– Doesn't explain quantum mechanics

+ Electron Shells



Schrödinger, 1926

Quantum mechanics

– Why are some atoms of the same element heavier?

+ Subshells

+ 'Shells' are actually 'orbitals'



Chadwick, 1932

+ Neutrons!

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web the figure given below represents the functional block diagram of smps initially the unregulated ac input signal from the source is provided to the input rectifier and filter circuit here the ac input signal is rectified to generate a dc signal and further smoothened to remove high frequency noise component from it

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