

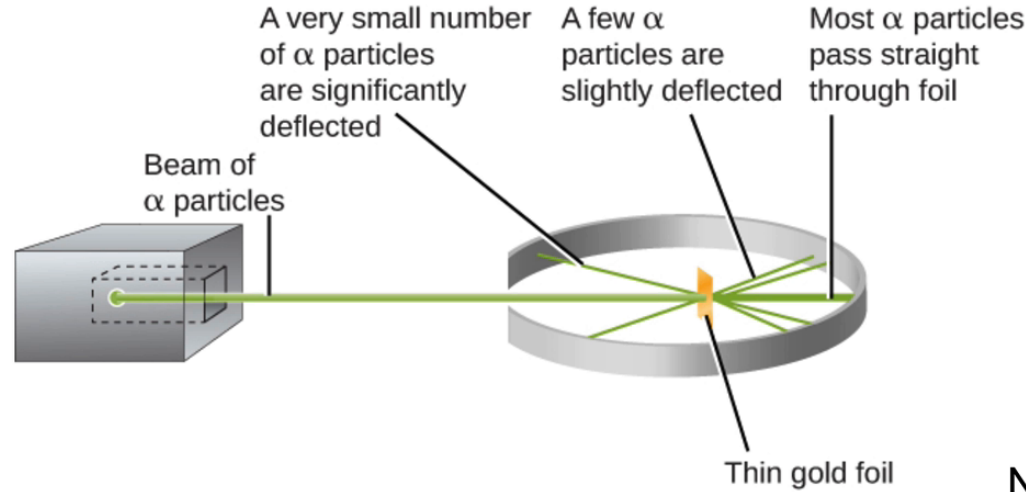
1 Alpha Particle

Helium Nucleus -
Positively Charged

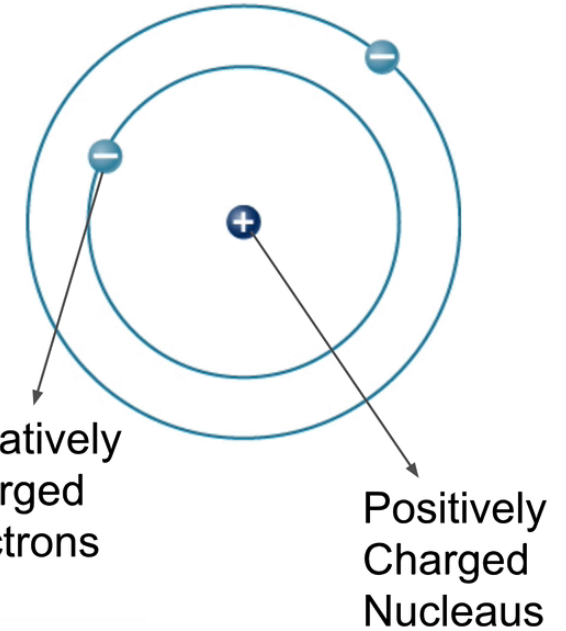
Emitted radioactively

Very Concentrated
Nucleus with LOTS of
empty space between

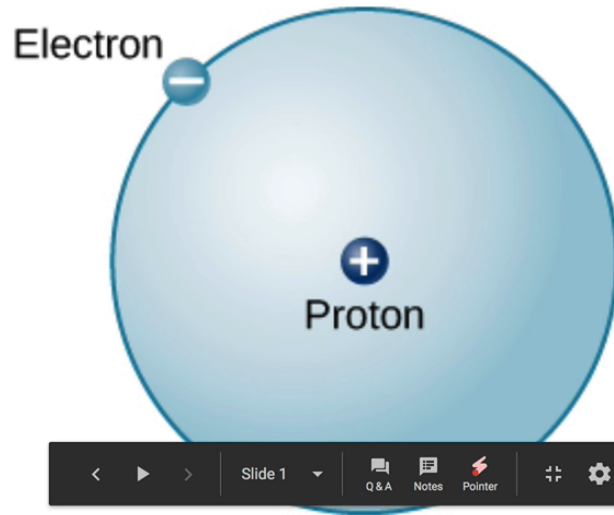
Atomic Structure



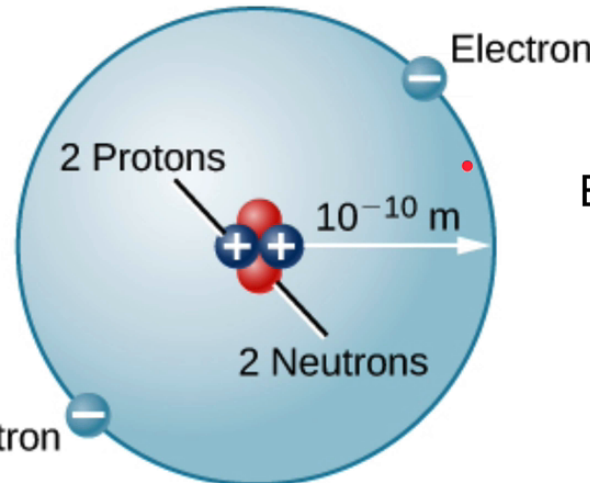
2 First model of Atom



3 Hydrogen Atom



4 Helium Atom



5 Light has energy

Each photon/wave has a frequency

$$E = h * f$$

Planck's Constant

Can interact
with Atoms