


welcome!

atom - proton, neutron, electron

 e^- electron outside of nucleus

nucleus, the proton and the neutron are each almost 2000 times more massive than an electron

Small things are more likely to be moved compared to large things
 \Rightarrow bowling ball vs. ping-pong ball

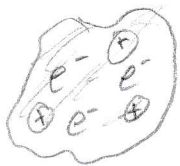
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\Rightarrow If anything moves in an atom it will be the electron.

Back up \Rightarrow look at how atomic theory developed over time -

1st atomic model

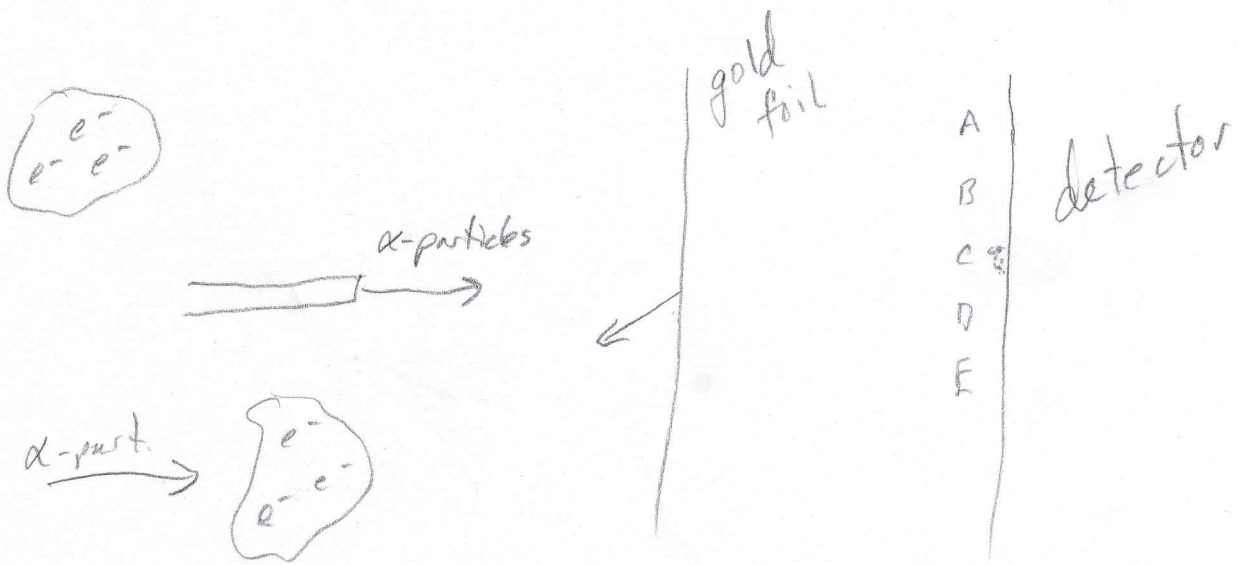
raisin pudding model



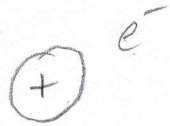
alpha $\alpha \Rightarrow$ 2 protons + 2 neutrons

Beta $\beta \Rightarrow$ high energy electrons

gamma $\gamma \Rightarrow$ high energy "light"



planetary model \Rightarrow planets around the sun



Bohr \Rightarrow working with light
 each element has a characteristic
 set of colors associated with it.

