<u>Describe</u> the structure of atoms, including the masses, electrical charges, and locations of protons, neutrons, and electrons.

Identify that protons determine an element's identity.

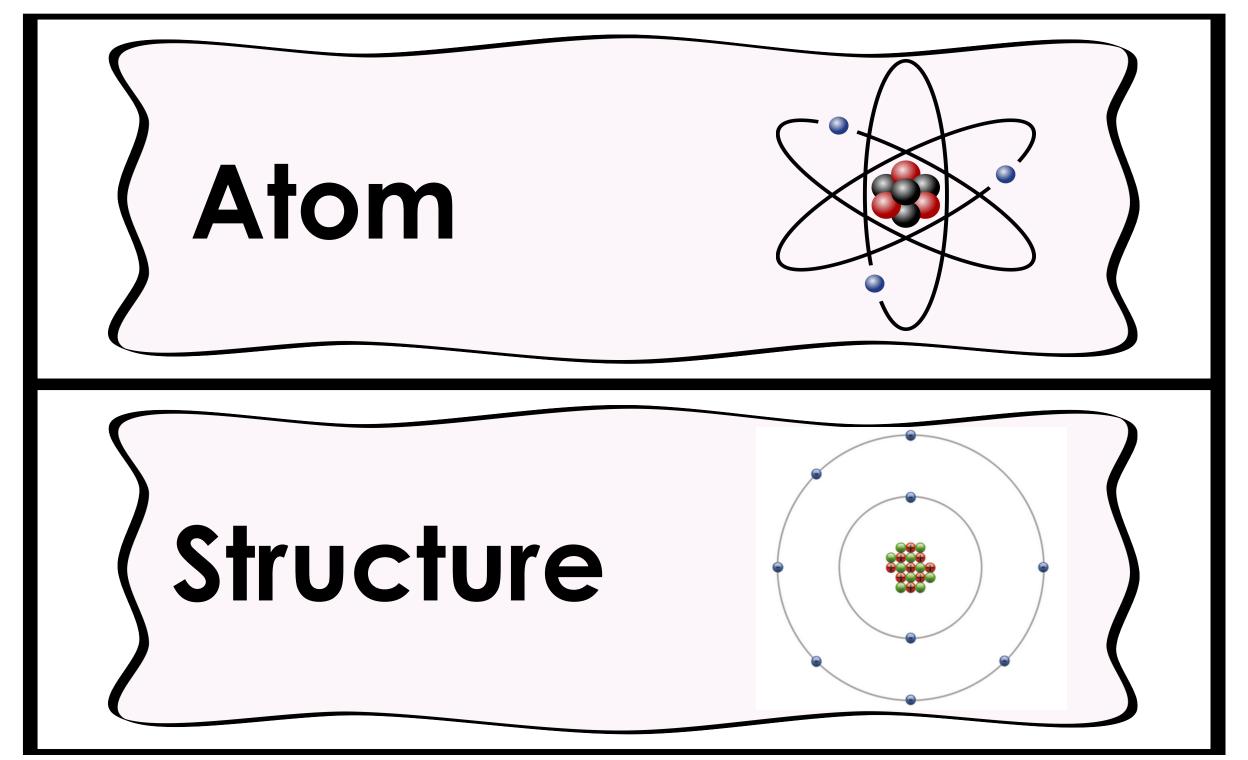
© Kesler Science, 2016

Describe the structure of atoms, including the masses, electrical charges, and locations of protons, neutrons, and electrons.

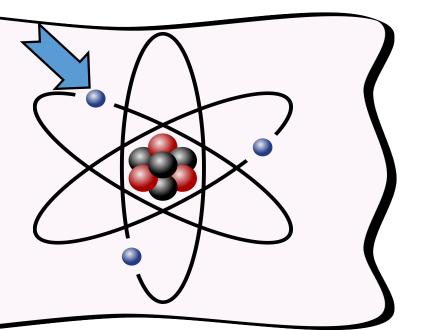
Identify that protons determine an element's identity.

I CAN describe the structure of atoms, including the masses, electrical charges, and locations of protons, neutrons, and electrons.

I CAN identify that protons determine an element's identity.



Electron



Electrical Charge



Electron (negative charge)

Proton (positive charge)





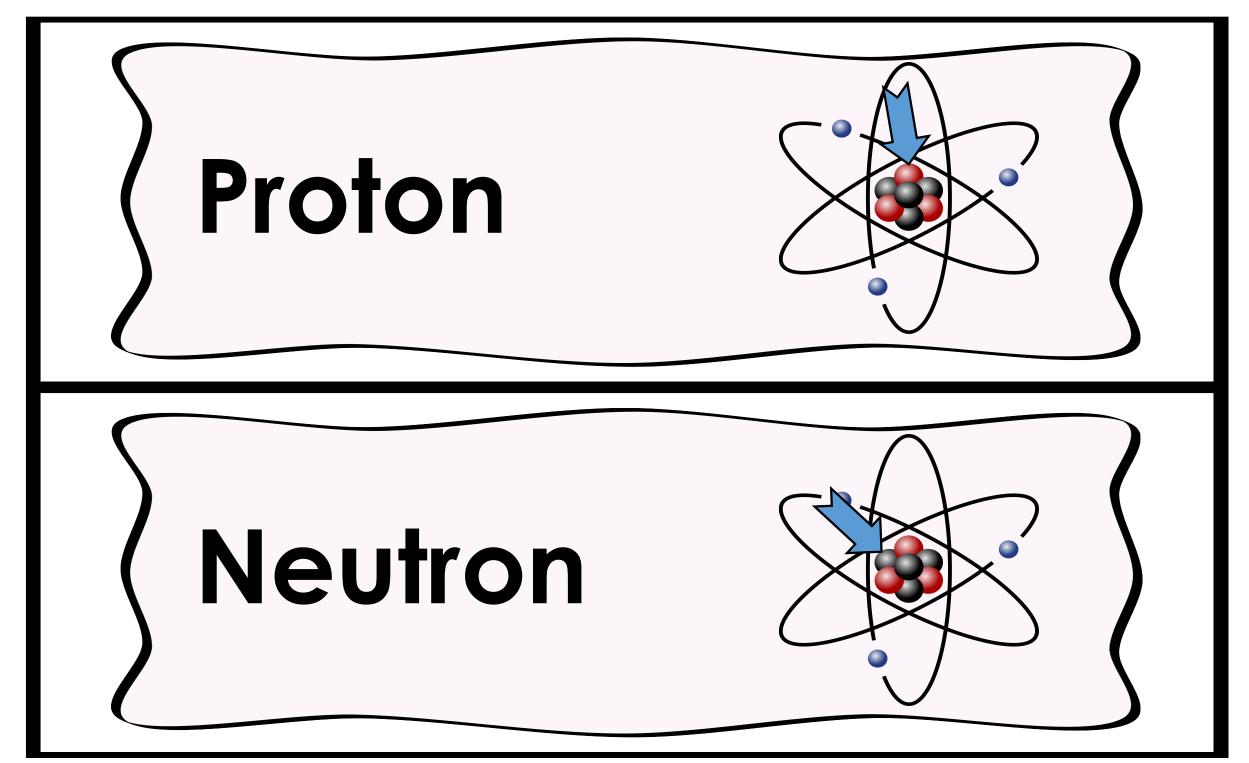
Attraction



Neutron (no charge)

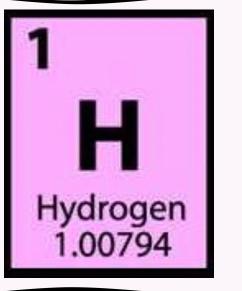


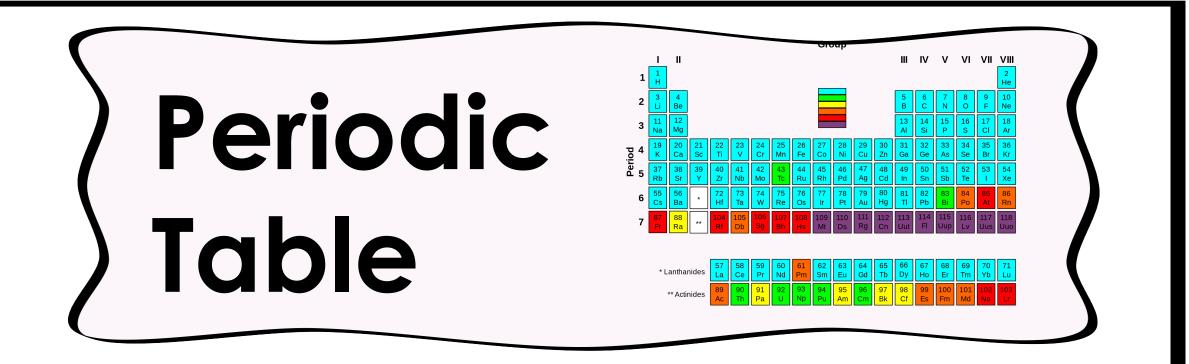
Repulsion



Atomic Protons + Mass # Neutrons

Element





Location

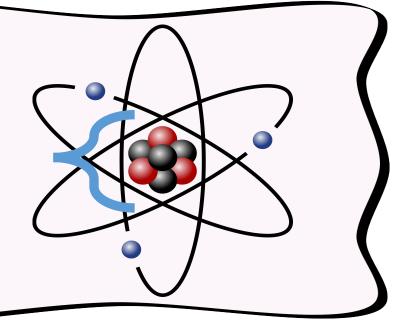
Inside (the nucleus)

Outside (the nucleus)

Atomic Number

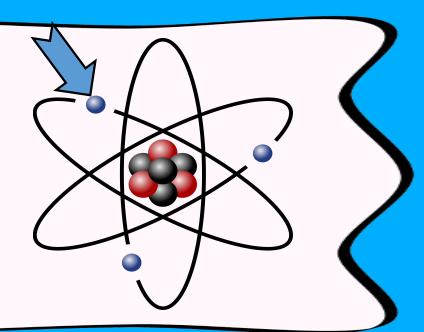
Same as
Number of
Protons

Nucleus



Atom Structure

Electron



Electrical Charge



Electron (negative charge)



Proton (positive charge)



Neutron (no charge)

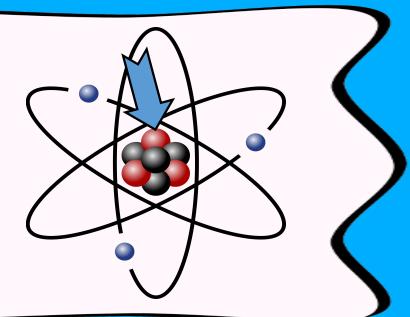


Attraction

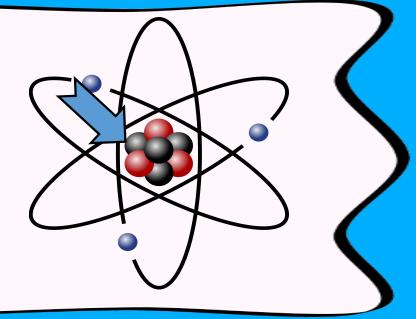


Repulsion

Proton

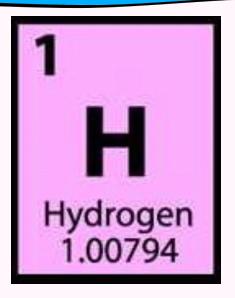


Neutron

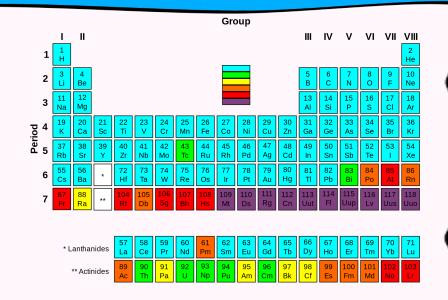


Atomic Protons + Mass # Neutrons

Element



Periodic Table



Location

Inside (the nucleus)

Outside (the nucleus)

Atomic Number

Same as Number of Protons

Nucleus

