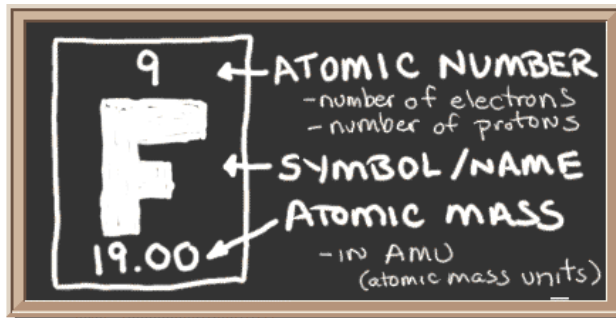




Diagram an Atom

1. Find the number of protons, electrons and neutrons



Protons = 9P+
Electrons = 9 e-
Neutrons = 10 N

2. Write the number of protons (**P+**) in the center of the atom.

3. Write the number of neutrons (**N**) in the center of the atom.

The nucleus is done!

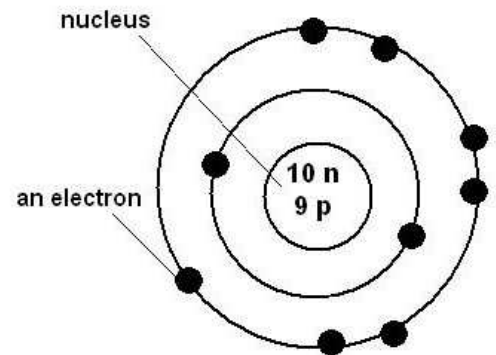
Add **protons** and **neutrons** together. It should be the **mass #**.

4. The electrons are located in energy levels around the nucleus.
Electrons are drawn on pairs using the following rules:

*1st energy level (shell) fills first
closest to nucleus
holds only 2 electrons

*2nd energy level (shell) fills second
next level out from nucleus
holds up to 8 electrons

*rest of the levels fill from inside out
hold 8 electrons (some hold more)



n represents one neutron
p represents one proton