Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Figuring Out Electron Shells***

Shell One: 2 electrons MAX

Shell Two: 8 electrons MAX

Shell Three: 18 electrons MAX

**Start with the first shell in the ring closest to the nucleus and work your way out until all the electrons for the atom are accounted for:**

USE PENCIL!Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Figuring Out Electron Shells***

Shell One: 2 electrons MAX

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**Start with the first shell in the ring closest to the nucleus and work your way out until all the electrons for the atom are accounted for:**

USE PENCIL!

**Try out:**

Lithium (Li)

-Atomic number:\_\_\_\_\_\_\_\_\_\_\_\_\_

-Number of shells:\_\_\_\_\_\_\_\_\_\_\_

Fluorine (F)

-Atomic Mass:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-Number of neutrons:\_\_\_\_\_\_\_\_\_\_\_\_

-Number of shells: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sulfur (S)

-Number of protons:\_\_\_\_\_\_\_\_\_\_\_\_\_

-Number of shells:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-Number of neutrons in the 17S isotope: \_\_\_\_\_\_\_\_\_

**Try out:**

Silicon (Si)

-Atomic number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

-Number of shells:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Oxygen (O)

-Atomic Mass:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-Number of neutrons:\_\_\_\_\_\_\_\_\_\_\_\_\_

-Number of shells:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Carbon (C)

-Number of protons:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-Number of shells:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-Number of neutrons in the 16C isotope: \_\_\_\_\_\_\_\_\_