

Electron Shell Configurations

Electrons orbit the _____. Electrons orbit in layers called _____. Each shell can only carry a certain number of electrons.

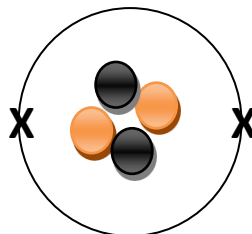
The first **20** elements fill up each shell before moving to the next in a predictable fashion.

The first shell holds: _____ electrons

The second shell holds: _____ electrons

The third shell holds: _____ electrons

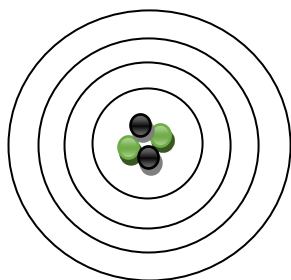
The fourth shell holds: _____ electrons



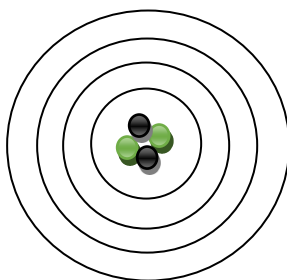
Atoms are stable when they have a _____ outer shell. To achieve this they need to either _____ electrons or _____ electrons

Electron dot diagrams

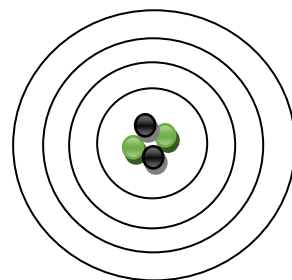
Draw the electron configurations for each element listed



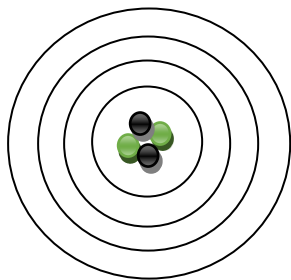
Sulfur



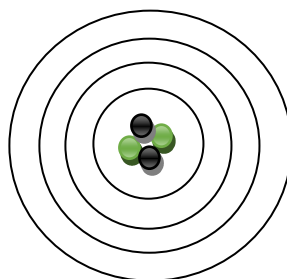
Neon



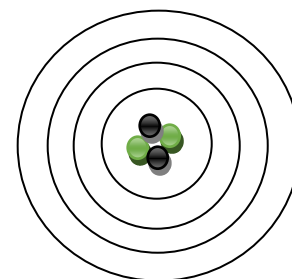
Lithium



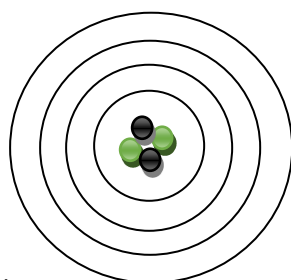
Magnesium



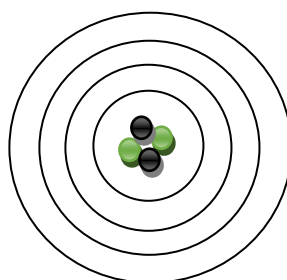
Carbon



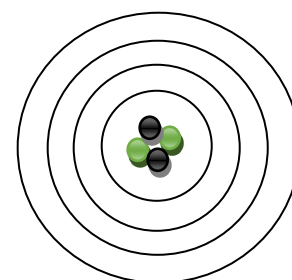
Hydrogen



Calcium



Fluorine



Aluminium