

Name _____

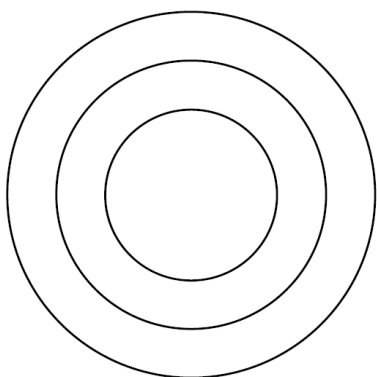
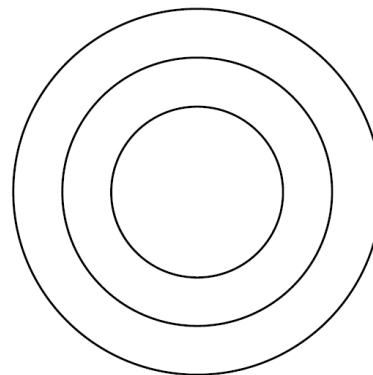
Sci # _____

Atom PreTest

Protons Isotopes Ions Groups Electron Cloud Neutrons Periods Electrons

- 1) _____ Elements that gain or lose an electron
 - 2) _____ Elements that are in the same horizontal row
 - 3) _____ Are where electrons are located
 - 4) _____ Atoms with the same number of protons and a different number of neutrons
 - 5) _____ Elements that are in the same vertical column
 - 6) _____ Are found in the nucleus
 - 7) _____ Are also found in the nucleus
- 8). Silicon – 30 has _____ protons and _____ neutrons.
- 9). Sulfur – 28 has _____ protons and _____ neutrons.
- 10). Magnesium – 27 has _____ protons and _____ neutrons.
- 11). Fill in the table below with the 3 parts of an atom, their charges, masses, and the location in the atom.

3 parts of an atom	Charge of particle	Mass of particle	Location in the atom

Draw electrons for Ion P^{+3} Draw electrons for Ion Al^{-1} 

Essay Question: Using complete sentences, write out the definition for an ion, the definition of an isotope, and explain how they are the different.