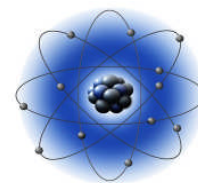


Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Chemistry

Worksheet



# Valence Electrons

**Directions:** Complete the following phrases.

1. All matter is made up of \_\_\_\_\_.
2. In a stable atom, the number of \_\_\_\_\_ equals the number of protons.
3. The electrons in the outermost energy level are called \_\_\_\_\_.
4. An atom with a \_\_\_\_\_ outer energy level tends not to bond.
5. Atoms \_\_\_\_\_ or \_\_\_\_\_ electrons to obtain a noble gas valence.
6. An atom that loses electrons has a \_\_\_\_\_ charge.
7. An atom that gains electrons has a \_\_\_\_\_ charge.

**Directions:** Determine the number of valence electrons in the following elements.

_____ H	_____ O	_____ C	_____ P
_____ S	_____ As	_____ Ca	_____ Pb
_____ F	_____ Kr	_____ Ti	_____ N
_____ Mg	_____ He	_____ Cr	_____ K
_____ Cl	_____ Se	_____ Fr	_____ Na
_____ B	_____ Al	_____ Sr	_____ Ba
_____ Ag	_____ Mn	_____ Hg	_____ Ge

**"A good system shortens the road to the goal." - Orison Swett Marden**