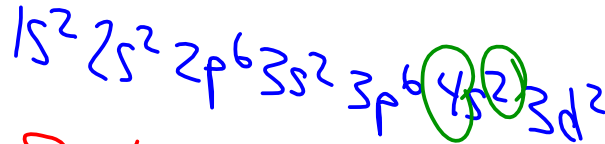


Valence Electrons

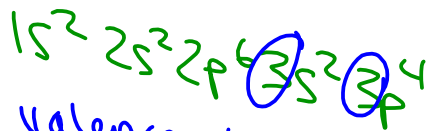
Valence electrons - electrons in atom's outermost orbitals (highest principal energy level)

* involved in chemical bonds

ex) Ti - 22



ex) S - 16



valence electrons = 6

Electron-Dot Structure

• symbol + # of valence electrons

• 1 on each side, then partner

Element	Atomic #	Electron Configuration	Electron Dot Structure
1. Lithium	3	$1s^2 2s^1$	Li •
2. Beryllium			
3. Nitrogen			
4. Aluminum			
5. Scandium			
6. Iron			
7. Phosphorus			
8. Chlorine			
9. Sodium			
10. Magnesium			
11. Zinc			