

Valence Electrons: Gain and Loss

Notes: Remember that Metals tend to lose their electrons, falling back to their inner octet, becoming smaller, forming positive "cations". Nonmetals tend to gain electrons, filling up their current energy levels, becoming larger, forming negative "anions". Complete the chart below.

Element	Lewis Dot	# of Valence e ⁻	Gain/Lose ___ e ⁻	Charge of Ion
Na		1	L 1	+1
Be				
Cl				
S				
Al				
Ne				
K				
N				
O				
Ca				
P				
B				
Mg				