

Determining the Ionic Charge

Element	Property	Before Making an Octet	After Making an Octet
Li	# protons		
	#electrons		
	charge		
	Lewis Dot Structure		
Be	# protons		
	#electrons		
	charge		
	Lewis Dot Structure		
B	# protons		
	#electrons		
	charge		
	Lewis Dot Structure		

Skip Carbon

N	# protons		
	#electrons		
	charge		
	Lewis Dot Structure		
O	# protons		
	#electrons		
	charge		
	Lewis Dot Structure		
F	# protons		
	#electrons		
	charge		
	Lewis Dot Structure		
Ne	# protons		
	#electrons		
	charge		
	Lewis Dot		

Making Ions – Ionic Bonds are made of Ions. A strong understanding of Ions is needed.

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 Valance e-	Gain/Lose ___ e-	Valance Charge
Na		1	L 1	+1
Be				
Cl				
S				
Al				
Ne				
K				
N				
O				
Ca				
P				
B				
Mg				

