

Table 2.7. Ion formation

Element	Group Number	Protons in neutral atom	Electrons in neutral atom	Number of electrons that need to be gained or lost to achieve octet	Ion formed
Li	1				
K		19			
Rb			37		
Be				2 lost	Be ²⁺
Ca					Ca ²⁺
Ba					
S					
Se					
Po					
Cl		17	17		
Br				1 gained	1 ⁻
I					