

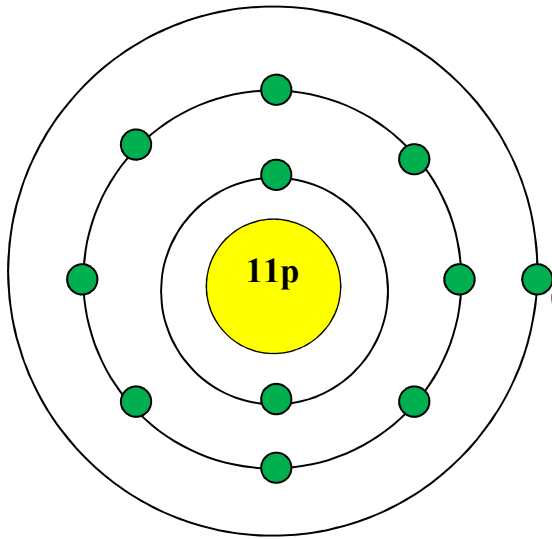
SODIUM ATOM

Na

11 Protons (+11)

11 Electrons (-11)

Net Charge = 0



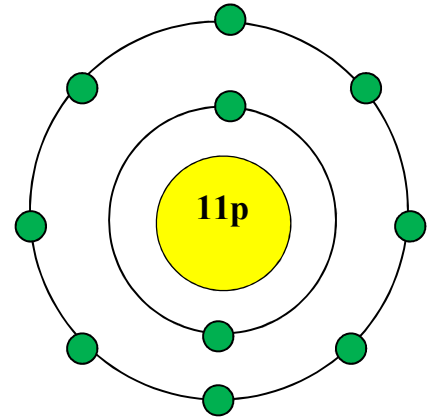
SODIUM ION

Na<sup>+</sup>

11 Protons (+11)

10 Electrons (-10)

Net Charge = +1



LOSES ONE ELECTRON



Taken by  
Non-metal atom

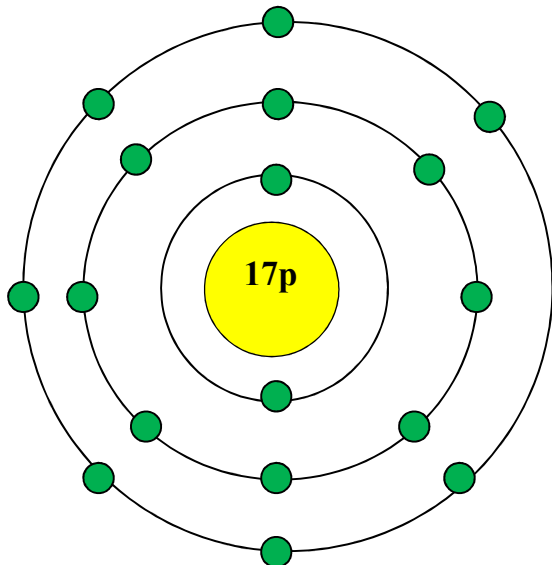
CHLORINE ATOM

Cl

17 Protons (+17)

17 Electrons (-17)

Net Charge = 0



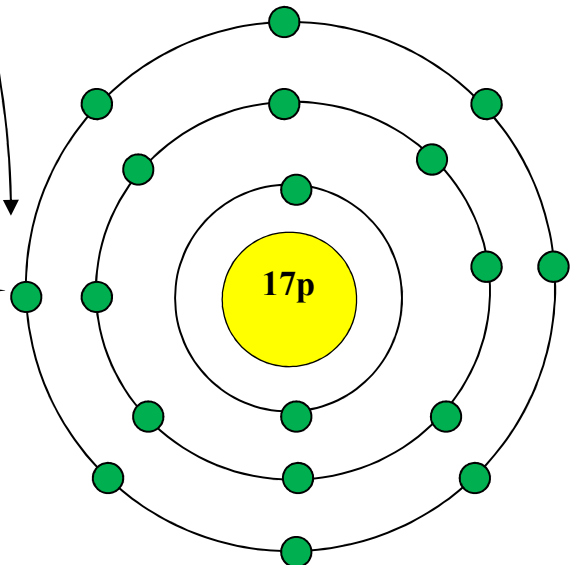
CHLORIDE ION

Cl<sup>-</sup>

17 Protons (+17)

18 Electrons (-18)

Net Charge = -1



GAINS ONE ELECTRON

