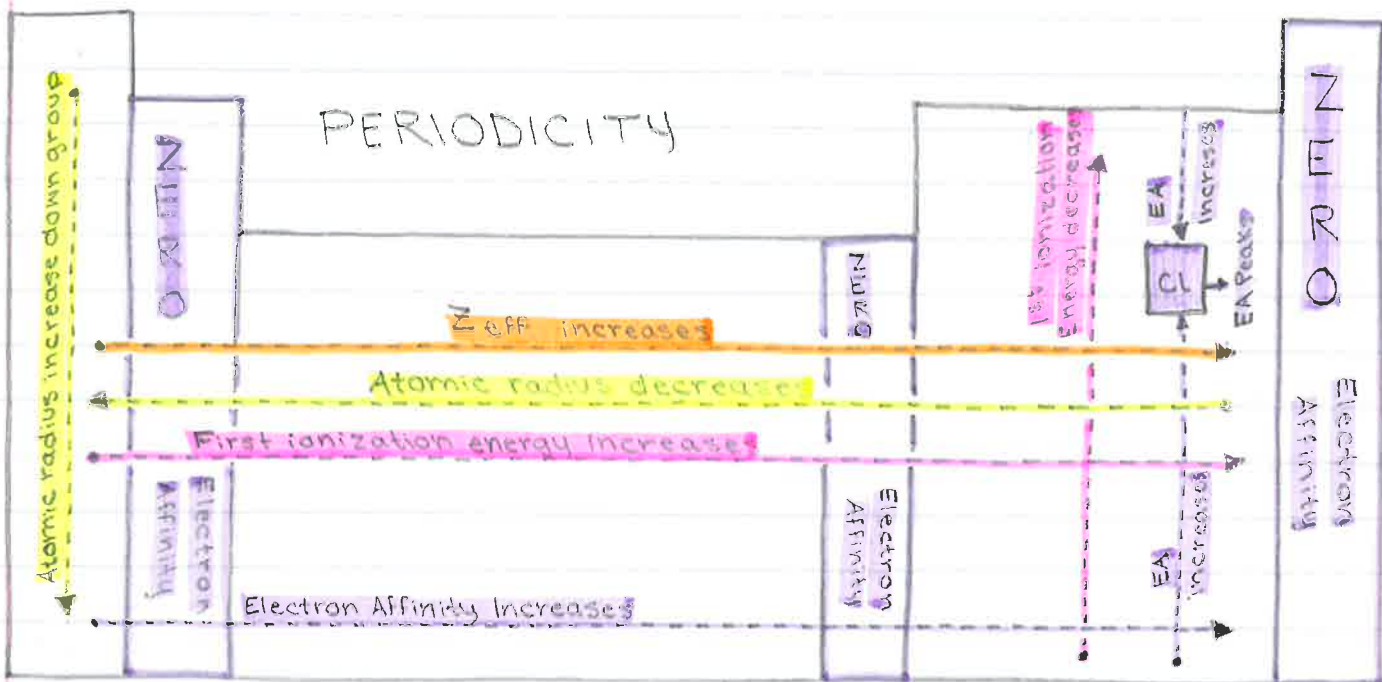


S6 Notes



Coulomb's Law

$$F \propto \frac{Z_1 \cdot Z_2}{d^2}, \text{ where } d = \text{distance}$$

Lattice Energy



$$U = F \cdot d \propto \frac{Z_1 \cdot Z_2}{d}$$



Lattice Energy	Z_2 (anion)			
Z_1 (cation)	F^-	Cl^-	Br^-	O^{2-}
Na^+	-923	-787	-747	-2695
Be^{2+}	-3505	-3020		-4443
Al^{3+}	-5200	-5492		-15,916