

Ionization energy

This is the amount of energy required to remove an electron to infinity

Successive molar ionization energies in kJ/mol

(96.485 kJ/mol = 1 eV/particle)

Element	First	Second	Third	Fourth	Fifth	Sixth	Seventh
Na	496	4,560					
Mg	738	1,450	7,730				
Al	577	1,816	2,881	11,600			
Si	786	1,577	3,228	4,354	16,100		
P	1,060	1,890	2,905	4,950	6,270	21,200	
S	999.6	2,260	3,375	4,565	6,950	8,490	27,107
Cl	1,256	2,295	3,850	5,160	6,560	9,360	11,000
Ar	1,520	2,665	3,945	5,770	7,230	8,780	12,000