

General decrease

Elements/Ions Do Not "Want" To Lose Electrons!

Table 7.5 | Successive Ionization Energies (kJ/mol) for the Elements in Period 3

١.	Element	1,	I ₂	I ₃	14	I ₅	16	I ₇
ווכן מן מככן כמפכ	Na Mg Al Si P S	495 735 580 780 1060 1005	4560 1445 1815 1575 1890 2260	7730 2740 3220 2905 3375	Core ele 11,600 4350 4950 4565	16,100 6270 6950	21,200 8490	27,000
5	Cl Ar	1255 1527	2295 2665	3850 3945	5160 5770	6560 7230	9360 8780	11,000 12,000

^{*}Note the large jump in ionization energy in going from removal of valence electrons to removal of core electrons.

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