

College Prep (CP) Chemistry of the Earth Data Tables

Representative Element Neutral Atom/Ion Data Table

Group Number	1A 1	2A 2	3A 13	4A 14	5A 15	6A 16	7A 17	8A 18
Valance Electrons (e ⁻)	1	2	3	4	5	6	7	8
Lewis Dot Structure	X •	• X •	• X •	• X •	• X •	• X •	• X •	• X •
Ion Charge	+1	+2	+3	+4	-3	-2	-1	0
Cation/Anion	Cation	Cation	Cation	Cation	Anion	Anion	Anion	Neither
Lose/Gain e ⁻	Lose 1	Lose 2	Lose 3	Lose 4	Gain 3	Gain 2	Gain 1	Gain 0
Ion Valence Electrons (e ⁻)	0	0	0	0	8	8	8	8