

Lewis Diagrams for Ions

Element Name	Chemical Symbol	Group Number	Number of Valance Electrons	Electrons that will be gained or lost	Lewis Diagram of Ion	Ion Symbol
sulfur	S	16	6	gain 2	$\text{:}\ddot{\text{S}}\text{:}^{2-}$	S^{2-}
oxygen	O	16	6	gain 2	$\text{:}\ddot{\text{O}}\text{:}^{2-}$	O^{2-}
potassium	K	1	1	lose 1	K^+	K^+
beryllium	Be	2	2	lose 2	Be^{2+}	Be^{2+}
nitrogen	N	15	5	gains 3	$\text{:}\ddot{\text{N}}\text{:}^{3-}$	N^{3-}
sodium	Na	1	1	lose 1	Na^+	Na^+
fluorine	F	17	7	gain 1	$\text{:}\ddot{\text{F}}\text{:}^-$	F^-
magnesium	Mg	2	2	lose 2	Mg^{2+}	Mg^{2+}
gallium	Ga	13	3	lose 3	Ga^{3+}	Ga^{3+}
barium	Ba	2	2	lose 2	Ba^{2+}	Ba^{2+}