Chemistry References

Common Positive Ions

Ion Symbol	Name of Ion	Ion Charge
H^+	hydrogen	1+
Li^+	lithium	1+
Na^+	sodium	1+
K^+	potassium	1+
Rb^+	rubidium	1+
Cs^+	cesium	1+
Be^{2+}	beryllium	2+
Mg^{2+}	magnesium	2+
Ca^{2+}	calcium	2+
Sr^{2+}	strontium	2+
Ba^{2+}	barium	2+
B^{3+}	boron	3+
Al^{3+}	aluminum	3+

Common Negative Ions

Ion Symbol	Name of Ion	Ion Charge
H^-	hydride	1–
F^-	fluoride	1–
Cl^-	chloride	1–
Br^-	bromide	1–
I^-	iodide	1–
O^{2-}	oxide	2–
S^{2-}	sulfide	2–
Se^{2-}	selenide	2–
Te^{2-}	telluride	2–
N^{3-}	nitride	3–
P^{3-}	phosphide	3–
OH^-	hydroxide	1–
NO_3^-	nitrate	1–
CO_3^{2-}	carbonate	2–

Numerical Prefixes Used for Molecular Compounds

Numerical Prefix	Number It Represents
mono-	1
di-	2
tri-	3
tetra-	4
penta-	5
hexa-	6
hepta-	7
octa-	8

Note: The prefix “mono” is used only for the second element in the name.

Note: When a prefix ending with a vowel (“o” or “a”) is used with oxygen, the vowel is dropped. For example, use “monoxide” not “monooxide” and “tetroxide” not “tetraoxide.”