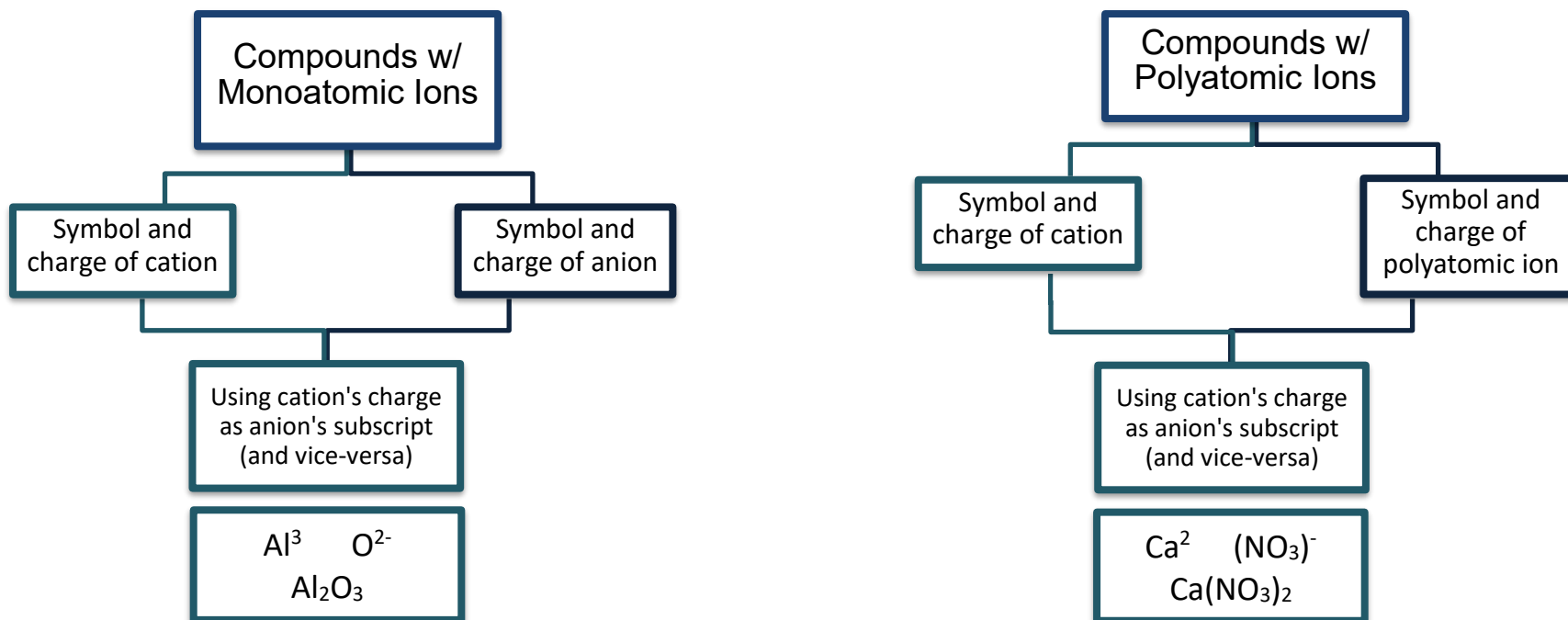
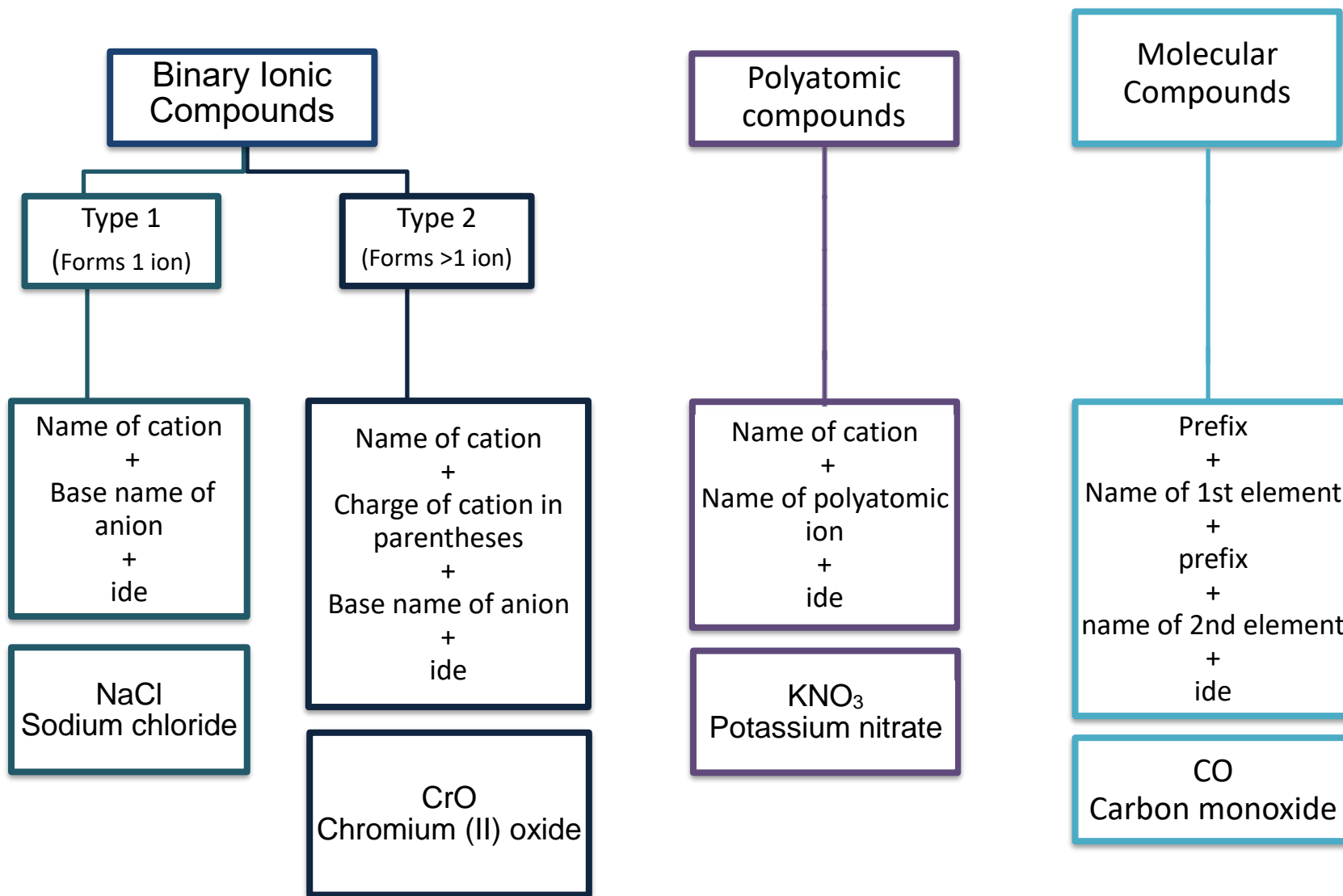


FLOWCHART FOR WRITING MOLECULAR FORMULAS OF COMPOUNDS



Name	Formula	Name	Formula	Name	Formula	Name	Formula
Phosphate	PO_4^{3-}	Permanganate	MnO_4^-	Sulfate	SO_4^{2-}	Ammonium	NH_4^+
Carbonate	CO_3^{2-}	Perchlorate	ClO_4^-	Sulfite	SO_3^{2-}	Acetate	$\text{C}_2\text{H}_3\text{O}_2^-$
Hydroxide	OH^-	Chlorate	ClO_3^-	Hydrogen sulfite	HSO_3^-	Chromate	CrO_4^{2-}
Nitrate	NO_3^-	Chlorite	ClO_2^-	Hydrogen sulfate	HSO_4^-	Dichromate	$\text{Cr}_2\text{O}_7^{2-}$
Nitrite	NO_2^-	Hypochlorite	ClO^-	Cyanide	CN^-	Peroxide	O_2^{2-}

FLOWCHART FOR NOMENCLATURE OF COMPOUNDS



Common Metals That Form More Than One (1) Type of Ion	
Cr ²	Chromium (II)
Cr ³	Chromium (III)
Fe ²	Iron (II)
Fe ³	Iron (III)
Hg ₂ ²⁺	Mercury (I)
Hg ²⁺	Mercury (II)
Co ²	Cobalt (II)
Co ³	Cobalt (III)
Cu ⁺	Copper (I)
Cu ²⁺	Copper (II)
Pb ²⁺	Lead (II)
Pb ⁴⁺	Lead (IV)
Sn ²⁺	Tin (II)
Sn ⁴⁺	Tin (IV)

Greek Prefixes	
1	Mono-
2	Di-
3	Tri-
4	Tetra-
5	Penta-
6	Hexa-
7	Hepta-
8	Octa-
9	Nona-
10	Deca-

Prefixes and Suffixes for Oxyanions (Oxygen containing compounds)
Hypo-
Hyper-
Per-
-ite
-ate

References

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