

Cation/metal nameFixed charge (1, 2, Al)

Na: Sodium

Na¹⁺: Sodium ion
(fixed charge ion)Transition Metal In, Tl
(3-12, Sn, Pb)

Cu: Copper

Cu²⁺: Copper(II) ion
(trans. metal, mult. charges) +2Anion/Non-metal namesAnion (-charge)

1 or more nonmetals

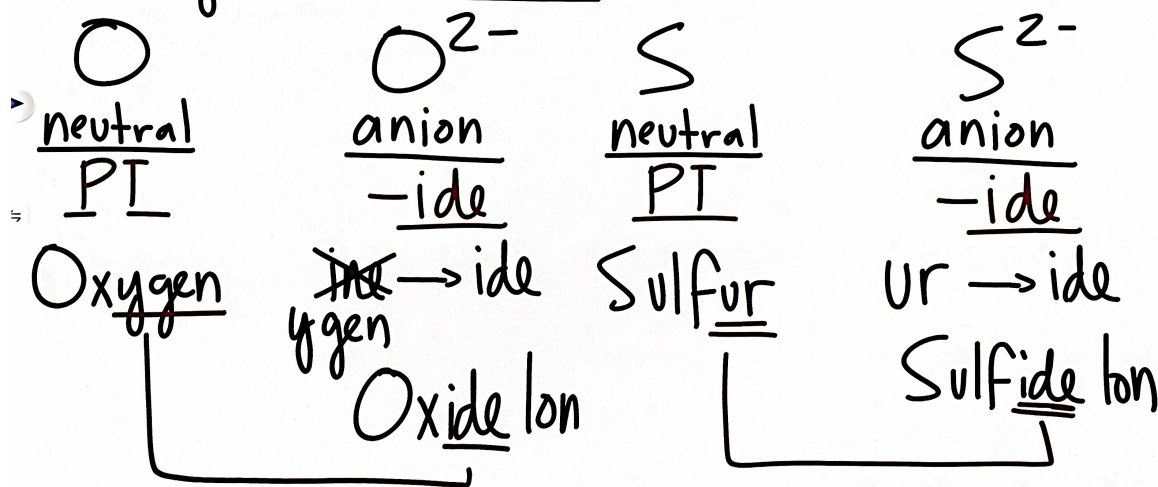
Binary: X¹⁻ ← single atomPoly: XO_a¹⁻ → two atomsBinaryCl
neutralPTChlorineCl¹⁻
anion
-ide

ine → ide

Chloride ion

Binary Anion Examples

Nov-09-2024 12:00 AM 3/4



Ionic Compound Naming (Nomenclature)

Nov-09-2024 12:00 AM 4/4

Rep. Metals (1, 2, Al), no charge given

Name: Al_2O_3 Name: Metal* + Nonmetal(-ide)**

Metal: Aluminum ion*

Aluminum Oxide

Non-Metal: [oxygen]
Oxide ion**