

IONS IONS IONS IONS
MONATOMIC IONS WITH “SET” CHARGES

Group 1 H ⁺ hydrogen Li ⁺ lithium Na ⁺ sodium K ⁺ potassium Rb ⁺ rubidium Cs ⁺ cesium	Group 2 Be ²⁺ beryllium Mg ²⁺ magnesium Ca ²⁺ calcium Sr ²⁺ strontium Ba ²⁺ barium	Group 13 B ³⁺ boron Al ³⁺ aluminum Ga ³⁺ gallium In ³⁺ indium Tl ³⁺ thallium	Group 14 C ⁴⁻ carbide	Group 15 N ³⁻ nitride P ³⁻ phosphide As ³⁻ arsenide	Group 16 O ²⁻ oxide S ²⁻ sulfide Se ²⁻ selenide Te ²⁻ telluride	Group 17 F ⁻ fluoride Cl ⁻ chloride Br ⁻ bromide I ⁻ iodide	d-block Zn ²⁺ zinc Cd ²⁺ cadmium Ag ⁺ silver Group 1 anion H ⁻ hydride
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MONATOMIC d-BLOCK & p-BLOCK CATIONS WITH “VARIABLE” CHARGES

<i>Ion</i>	<i>Stock</i>	<i>Latin</i>	<i>Ion</i>	<i>Stock</i>	<i>Latin</i>
Cr ²⁺	chromium (II)	chromous	Cu ⁺	copper (I)	cuprous
Cr ³⁺	chromium (III)	chromic	Cu ²⁺	copper (II)	cupric
Mn ²⁺	manganese (II)	manganous	Hg ₂ ²⁺	mercury (I)	mercurous
Mn ³⁺	manganese (III)	manganic	Hg ²⁺	mercury (II)	mercuric
Fe ²⁺	iron (II)	ferrous	Sn ²⁺	tin (II)	stannous
Fe ³⁺	iron (III)	ferric	Sn ⁴⁺	tin(IV)	stannic
Co ²⁺	cobalt (II)	cobaltous	Pb ²⁺	lead (II)	plumbous
Co ³⁺	cobalt (III)	cobaltic	Pb ⁴⁺	lead (IV)	plumbic
Ni ²⁺	nickel (II)	nickelous	Bi ³⁺	bismuth (III)	bismuthous
Ni ³⁺	nickel (III)	nickelic	Bi ⁵⁺	bismuth (V)	bismuthic
Au ⁺¹	gold (I)	aurous			
Au ⁺³	gold (III)	auric			

POLYATOMIC IONS

1- charge N ₃ ⁻ azide CN ⁻ cyanide OH ⁻ hydroxide C ₂ H ₃ O ₂ ⁻ acetate HCO ₃ ⁻ bicarbonate or hydrogen carbonate HSO ₄ ⁻ bisulfate or hydrogen sulfate HSO ₃ ⁻ bisulfite or hydrogen sulfite H ₂ PO ₄ ⁻ dihydrogen phosphate NO ₃ ⁻ nitrate NO ₂ ⁻ nitrite	MnO ₄ ⁻ permanganate SCN ⁻ thiocyanate ClO ⁻ hypochlorite ClO ₂ ⁻ chlorite ClO ₃ ⁻ chlorate ClO ₄ ⁻ perchlorate BrO ⁻ hypobromite BrO ₂ ⁻ bromite BrO ₃ ⁻ bromate BrO ₄ ⁻ perbromate IO ⁻ hypoiodite IO ₂ ⁻ iodite IO ₃ ⁻ iodate IO ₄ ⁻ periodate	2- charge CO ₃ ²⁻ carbonate CrO ₄ ²⁻ chromate Cr ₂ O ₇ ²⁻ dichromate HPO ₄ ²⁻ biphosphate or hydrogen phosphate C ₂ O ₄ ²⁻ oxalate O ₂ ²⁻ peroxide SiO ₃ ²⁻ silicate SeO ₄ ²⁻ selenate SeO ₃ ²⁻ selenite SO ₄ ²⁻ sulfate SO ₃ ²⁻ sulfite	3- charge AsO ₄ ³⁻ arsenate AsO ₃ ³⁻ arsenite PO ₄ ³⁻ phosphate PO ₃ ³⁻ phosphite 1+ charge NH ₄ ⁺ ammonium
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