

## Ligands:

### Halides:

F <sup>-</sup>	fluoro
Cl <sup>-</sup>	chloro
Br <sup>-</sup>	bromo
I <sup>-</sup>	iodo

### Pseudohalides:

CN <sup>-</sup>	cyano
SCN <sup>-</sup>	thiocyanato
OCN <sup>-</sup>	cyanato

### Oxoanions:

SO <sub>4</sub> <sup>2-</sup>	sulfato
SO <sub>3</sub> <sup>2-</sup>	sulfito
S <sub>2</sub> O <sub>3</sub> <sup>2-</sup>	thiosulfato
CO <sub>3</sub> <sup>2-</sup>	carbonato
NO <sub>3</sub> <sup>1-</sup>	nitrato
NO <sub>2</sub> <sup>1-</sup>	nitro
ONO <sup>1-</sup>	nitrito
C <sub>2</sub> O <sub>4</sub> <sup>2-</sup>	oxalato (ox)

### Neutral ligands:

H <sub>2</sub> O	aqua
NH <sub>3</sub>	ammine
NH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> NH <sub>2</sub>	ethylenediamine (en)
C <sub>5</sub> H <sub>5</sub> N	pyridine (py)

### Sulfur ligands:

S <sup>2-</sup>	sulfido
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### Organometallic:

CO	carbonyl
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### Oxygen ligands:

O <sup>2-</sup>	oxo
OH <sup>-</sup>	hydroxo

## Prefixes:

Number of ligands		If ligand name has prefix (di, tri, etc.) or 'thio'
1	mono	
2	di	bis
3	tri	tris
4	tetra	tetrakis
5	penta	pentakis
6	hexa	hexakis
7	hepta	heptakis
8	octa	octakis
9	nona	nonakis
10	deca	decakis

## Name of Metal in **Anionic** Complex:

1st Row		2nd Row		3rd Row	
Ti	titanate	Zr	zirconate	Hf	hafnate
V	vanadate	Nb	niobate	Ta	tantalate
Cr	chromate	Mo	molybdate	W	tungstate
Mn	manganate	Tc	technate	Re	rhenate
Fe	ferrate	Ru	ruthenate	Os	osmate
Co	cobaltate	Rh	rhodate	Ir	iridate
Ni	nickelate	Pd	palladate	Pt	platinate
Cu	cuprate	Ag	argentate	Au	aurate
Zn	zincate	Cd	cadmate	Hg	mercurate
		Sn	stannate	Pb	plumbate