

Chemistry nomenclatures

Binary compounds

molecular compound
(non metal + non metal) (semi metal - non metal)

named with prefixes

((pre) cation - (pre) anion + ide)

(*) pre	→	mono	1
(atom's number)	↓	di	2
		tri	3
		tetra	4
		penta	5
		hexa	6
		hepta	7
		octa	8
		nona	9
		deca	10

ionic compounds
(metal + non metal)

main group element
(cation - anion stem + ide)

non-main group element
(cation (n) - anion (n) + ide)

(*) n → greek numbers
↓
charge → if n = 1 it maybe not written

(*) when anion is polyanion we don't add (ide)

Acids

Hydrates

(H_2O (n))
(مركب - H_2O (n))

(the central part + (pre) hydrate)
(الجزء المركزي + (pre) hydrate)

oxoacids

(H + X + O)

anion (non metal)

(X stem + (ite → ous / ate → ic) + acid)

Binary acids

(H + X (aq))

(Hydro + X stem + ic + acid)