

Element	With 1 oxygen	With 2 oxygens	With 3 oxygens	With 4 oxygen	With 1 hydrogen (and Oxygen)	With 2 hydrogens (and oxygen)
S		SO ₂ ²⁻ hyposulfite	SO ₃ ²⁻ sulfite	SO ₄ ²⁻ sulfate	HSO ₄ ¹⁻ hydrogen sulfate (bisulfate)	
P		PO ₂ ³⁻ hypophosphite	PO ₃ ³⁻ phosphite	PO ₄ ³⁻ phosphate	HPO ₄ ²⁻ hydrogen phosphate	H ₂ PO ₄ ¹⁻ dihydrogen phosphate
As			AsO ₃ ³⁻ arsenite	AsO ₄ ³⁻ arsenate		
N		NO ₂ ¹⁻ nitrite	NO ₃ ¹⁻ nitrate			
C			CO ₃ ²⁻ carbonate		HCO ₃ ¹⁻ hydrogen carbonate (bicarbonate)	

For polyatomics for Group 7A elements with oxygen (F, Cl, Br, I)

Element	With 1 oxygen	With 2 oxygen	With 3 oxygens	With 4 oxygens
In general	Hypo_____ite	_____ite	_____ate	per _____ate
F	FO ¹⁻ hypofluorite	FO ₂ ¹⁻ fluorite	FO ₃ ¹⁻ fluorate	FO ₄ ¹⁻ perfluorate
Cl	ClO ¹⁻ hypochlorite	ClO ₂ ¹⁻ chlorite	ClO ₃ ¹⁻ chlorate	ClO ₄ ¹⁻ perchlorate
Br	BrO ¹⁻ hypobromite	BrO ₂ ¹⁻ bromite	BrO ₃ ¹⁻ bromate	BrO ₄ ¹⁻ perbromate
I	IO ¹⁻ hypoiodite	IO ₂ ¹⁻ iodite	IO ₃ ¹⁻ iodate	IO ₄ ¹⁻ periodate

Other ions without a pattern:

NH ₄ ¹⁺	ammonium	MnO ₄ ¹⁻	permanganate	C ₂ H ₃ O ₂ ¹⁻	acetate	O ₂ ²⁻	peroxide
H ₃ O ¹⁺	hydromium	MnO ₄ ²⁻	manganate	C ₂ O ₄ ²⁻	oxalate		
OH ¹⁻	hydroxide	CrO ₄ ²⁻	chromate	S ₂ O ₃ ²⁻	thiosulfate		
CN ¹⁻	cyanide	Cr ₂ O ₇ ²⁻	dichromate	SCN ¹⁻	thiocyanate		