

Naming Acids

● Binary Acids

- prefix HYDRO and suffix IC ACID
- Example: HCl = *hydrochloric acid*

● Oxyacids

oxidation state	polyatomic ion			acid name	
	example	prefix	suffix	prefix	suffix
two less than most common	ClO^{-1}	hypo	ite	hypo	ous
one less than most common	ClO_2^{-1}	-	ite	-	ous
most common	ClO_3^{-1}	-	ate	-	ic
one more than most common	ClO_4^{-1}	hyper	ate	per	ic

- Example: HNO_3 = hydrogen nitrate; $\text{HNO}_3(aq)$ = nitric acid