

Acid Names

H_2SO_4	sulfuric acid	HClO_4	perchloric acid
H_2SO_3	sulfurous acid	HClO_3	chloric acid
HNO_3	nitric acid	HClO_2	chlorous acid
HNO_2	nitrous acid	HClO	hypochlorous acid
H_3PO_4	phosphoric acid	HCl	hydrochloric acid
H_3PO_3	phosphorous acid	HBr	hydrobromic acid
H_2CO_3	carbonic acid	HI	hydroiodic acid
$\text{HC}_2\text{H}_3\text{O}_2$	acetic acid	HF	hydrofluoric acid

Anions of Important Acids

SO_4^{2-}	sulfate ion	ClO_4^-	perchlorate ion
SO_3^{2-}	sulfite ion	ClO_3^-	chlorate ion
NO_3^-	nitrate ion	HClO_2^-	chlorite ion
NO_2^-	nitrite ion	HClO^-	hypochlorite ion
PO_4^{3-}	phosphate ion	HSO_4^-	hydrogen sulfate ion
PO_3^{3-}	phosphite ion	HCO_3^-	hydrogen carbonate ion
CO_3^{2-}	carbonate ion	H_2PO_4^-	dihydrogen phosphate ion
$\text{C}_2\text{H}_3\text{O}_2^-$	acetate ion	HPO_4^{2-}	hydrogen phosphate ion