Acid	НА	A ⁻	Ka	pKa	Acid Strength	Conjugate Base Strength
Hydroiodic	HI	I-			1	
Hydrobromic	HBr	Br ⁻				
Perchloric	HClO ₄	ClO ₄	Strong acids completely dissociate in aq solution (Ka > 1, pKa < 1).			
Hydrochloric	HCl	Cl ⁻				
Chloric	HClO ₃	ClO ₃	Conjugate bases of st	trong acids are in	effective bases.	
Sulfuric (1)	H_2SO_4	HSO ₄				
Nitric	HNO ₃	NO ₃				
Hydronium ion	H_3O^+	H_2O	1	0.0		
Iodic	HIO_3	IO ₃	1.6 x 10 ⁻¹	0.80	_ ▲	
Oxalic (1)	$H_2C_2O_4$	$HC_2O_4^-$	5.9 x 10 ⁻²	1.23		
Sulfurous (1)	H_2SO_3	HSO ₃	1.54 x 10 ⁻²	1.81		
Sulfuric (2)	HSO ₄	SO_4^{2-}	1.2 x 10 ⁻²	1.92		
Chlorous	HClO ₂	ClO ₂	1.1 x 10 ⁻²	1.96		
Phosphoric (1)	H_3PO_4	H_2PO_4	7.52×10^{-3}	2.12		
Arsenic (1)	H_3AsO_4	H_2AsO_4	5.0×10^{-3}	2.30		
Chloroacetic	CH ₂ ClCOOH	CH ₂ ClCOO	1.4 x 10 ⁻³	2.85		
Citric (1)	$H_3C_6H_5O_7$	$H_2C_6H_5O_7$	8.4 x 10 ⁻⁴	3.08		
Hydrofluoric	HF	F ⁻	7.2 x 10 ⁻⁴	3.14		
Nitrous	HNO_2	NO_2^-	4.0 x 10 ⁻⁴	3.39		
Formic	НСООН	HCOO-	1.77 x 10 ⁻⁴	3.75		
Lactic	HCH ₃ H ₅ O ₃	$CH_3H_5O_3^-$	1.38 x 10 ⁻⁴	3.86		
Ascorbic (1)	$H_2C_6H_6O_6$	$HC_6H_6O_6^-$	7.9 x 10 ⁻⁵	4.10		
Benzoic	C ₆ H ₅ COOH	C ₆ H ₅ COO	6.46 x 10 ⁻⁵	4.19		
Oxalic (2)	HC_2O_4	$C_2O_4^{2-}$	6.4 x 10 ⁻⁵	4.19		
Hydrazoic	HN_3	N_3	1.9 x 10 ⁻⁵	4.72		
Citric (2)	$H_2C_6H_5O_7$	$HC_6H_5O_7^{2-}$	1.8 x 10 ⁻⁵	4.74		
Acetic	CH₃COOH	CH ₃ COO	1.76 x 10 ⁻⁵	4.75		
Propionic	CH ₃ CH ₂ COOH	CH ₃ CH ₂ COO	1.34 x 10 ⁻⁵	4.87		
Pyridinium ion	C ₅ H ₄ NH ⁺	C_5H_4N	5.6 x 10 ⁻⁶	5.25	_	
Citric (3)	$HC_6H_5O_7^{2-}$	$C_6H_5O_7^{3-}$	4.0 x 10 ⁻⁶	5.40	_	
Carbonic (1)	H_2CO_3	HCO ₃	4.3 x 10 ⁻⁷	6.37	_	
Sulfurous (2)	HSO ₄	SO ₄ ²⁻	1.02 x 10 ⁻⁷	6.91	_	
Arsenic (2)	H_2AsO_4	HAsO ₄ ²⁻	8/9.3 x 10 ⁻⁸	7.10/7.03	_	
Hydrosulfuric	H_2S	HS ⁻	$1.0 \times 10^{-7}/9.1 \times 10^{-8}$	7/7.04		
Phosphoric (2)	H ₂ PO ₄	HPO ₄ ²⁻	6.23 x 10 ⁻⁸	7.21	1	
Hypochlorous	HClO	ClO ⁻	$3.5/3.0 \times 10^{-8}$	7.46/7.53	_	
Hypobromous	HBrO	BrO ⁻	2 x 10 ⁻⁹	8.70	_	
Hydrocyanic	HCN	CN ⁻	6.17 x 10 ⁻¹⁰	9.21	_	
Boric (1)	H ₃ BO ₃	H ₂ BO ₃	5.8 x 10 ⁻¹⁰	9.23	_	
Ammonium ion	NH ₄ ⁺	NH ₃	5.6×10^{-10}	9.25	_	
Phenol	C ₆ H ₅ OH	C ₆ H ₅ O	1.6 x 10 ⁻¹⁰	9.80	_	
Carbonic (2)	HCO ₃	CO ₃ ² -	4.8 x 10 ⁻¹¹	10.32	_	
Hypoiodous	HIO	IO ⁻	2 x 10 ⁻¹¹	10.70	_	
Arsenic (3)	HAsO ₄ ²⁻	AsO ₄ ³⁻	6.0 x 10 ⁻¹⁰ /3.0 x 10 ⁻¹²	9.22/11.53		
Hydrogen peroxide	H_2O_2	HO ₂ -	2.4 x 10 ⁻¹²	11.62		*
Ascorbic (2)	HC ₆ H ₆ O ₆	$C_6H_6O_6^{2-}$	1.6 x 10 ⁻¹²	11.80		
Phosphoric (3)	HPO ₄ ²⁻	PO ₄ ³⁻	4.8/2.2 x 10 ⁻¹³	12.32/12.66		
Water	H ₂ O	OH ⁻	1.0 x 10 ⁻¹⁴	14.0		
Group I metal hydroxides (LiOH, NaOH, etc.)			Strong bases completely dissociate in aq solution			
Group II metal hydroxides (Mg(OH) ₂ , Ba(OH) ₂ , etc.)			(Kb > 1, pKb < 1). Conjugate acids (cations) of strong bases are ineffective bases.			

^{*} Compiled from Appendix 5 Chem 1A, B, C Lab Manual and Zumdahl 6th Ed. The pKa values for organic acids can be found in Appendix II of Bruice 5th Ed.

Table of Acids with Ka and pKa Values*	CLAS

^{*} Compiled from Appendix 5 Chem 1A, B, C Lab Manual and Zumdahl 6th Ed. The pKa values for organic acids can be found in Appendix II of Bruice 5th Ed.