

Relative Strengths of Acids and Bases

	Acid	Base	
Strongest acids	HClO ₄	ClO ₄ ⁻	Weakest bases
	H ₂ SO ₄	HSO ₄ ⁻	
	HI	I ⁻	
	HBr	Br ⁻	
	HCl	Cl ⁻	
	HNO ₃	NO ₃ ⁻	
	H ₃ O ⁺	H ₂ O	
	HSO ₄ ⁻	SO ₄ ²⁻	
	H ₂ SO ₃	HSO ₃ ⁻	
	H ₃ PO ₄	H ₂ PO ₄ ⁻	
	HNO ₂	NO ₂ ⁻	
	HF	F ⁻	
	HC ₂ H ₃ O ₂	C ₂ H ₃ O ₂ ⁻	
	Al(H ₂ O) ₆ ³⁺	Al(H ₂ O) ₅ OH ²⁺	
	H ₂ CO ₃	HCO ₃ ⁻	
	H ₂ S	HS ⁻	
	HClO	ClO ⁻	
	HBrO	BrO ⁻	
	NH ₄ ⁺	NH ₃	
	HCN	CN ⁻	
	HCO ₃ ⁻	CO ₃ ²⁻	
	H ₂ O ₂	HO ₂ ⁻	
	HS ⁻	S ²⁻	
Weakest acids	H ₂ O	OH ⁻	Strongest bases