Acid				Base		
	perchloric acid	$HClO_4$	Undergo complete acid ionization in water	Do not undergo base ionization in water	ClO_4^-	perchlorate ion
	sulfuric acid	H_2SO_4			HSO_4^-	hydrogen sulfate ion
	hydrogen iodide	HI			I^-	iodide ion
	hydrogen bromide	HBr			Br^-	bromide ion
	hydrogen chloride	HCl			Cl^-	chloride ion
	nitric acid	HNO_3			NO_3^-	nitrate ion
	hydronium ion	H_3O^+			H_2O	water
	hydrogen sulfate ion	HSO_4^-			SO_4^{2-}	sulfate ion
	phosphoric acid	H_3PO_4			$H_2PO_4^-$	dihydrogen phosphate ion
	hydrogen fluoride	HF			F^-	fluoride ion
	nitrous acid	HNO_2			NO_2^-	nitrite ion
	acetic acid	CH_3CO_2H			$CH_3CO_2^-$	acetate ion
	carbonic acid	H_2CO_3			HCO_3^-	hydrogen carbonate ion
	hydrogen sulfide	H_2S			HS^-	hydrogen sulfide ion
	ammonium ion	NH_4^+			HN_3	ammonia
	hydrogen cyanide	HCN			CN^-	cyanide ion
	hydrogen carbonate ion	HCO_3^-			CO_3^{2-}	carbonate ion
	water	H_2O			OH^-	hydroxide ion
	hydrogen sulfide ion	HS^-	Do not undergo acid ionization in water	Undergo complete base ionization in water	S^{2-}	sulfide ion
	ethanol	C_2H_5OH			$C_2H_5O^-$	ethoxide ion
	ammonia	NH_3			NH_2^-	amide ion
	hydrogen	H_2			H^-	hydride ion
	methane	CH_4			CH_3^-	methide ion

Increasing acid strength

Increasing base strength