	1			pKa Chart			2		
	<u>conj</u> ı	igate acid	conjugate base				conjugate acid	<u>conjugate b</u>	ase
strongest acids	sulfuric acid	H ₂ SO ₄ -	→ HSO ₄	-10 -9	st bases	nitric acid	HNO ₃ -	NO ₃	-1.3
strong	hydroiodic acid	HI -	→ -	-9	weake	tosic acid	TsOH -	→ TsO-	-0.6
	hydrobromic acid	HBr ·	→ Br	-8		hydrofluoric acid	HF -	→ F	3.2
	protonated ketone	H 0:	→ ;::	-7.3	}	hydrogen nitride	HN ₃ -	→ N ₃	4.7
	hydrochloric acid HCI:		→ :CI.	-7			: 0:	: 0:	
	protonatedether	- O+ -	→ ^ö^	-3.6	i	carboxylic acids	Ö, H —		_ 4.8
	carbocations	H +	/ /	-3		protonated pyridine	NH +	→ (N:	5.2
	protonated alcohol) O+ H	→ Ö. H	-2.4		carbonic acid	H ₂ CO ₃ -	HCO ₃ (bicarbonate)	6.37
	hydronium ion	о + Н / Н	→ _H ,ö, _H	-1.7	7	hydrogen sulfide	H ₂ S -	→ SH	7

(Grignards/ organolithium reagents)

conjugate acid conjugate base 1,3-diketones 9 9.1 hydrogen cyanide (cyanide) ammonium ions 9.4 **10** phenols HCO₃bicarbonate CO_3^{-2} 10.25 10.5 thiols protonated 10.6 amines cyclopentadiene (aromatic) 15 amides

