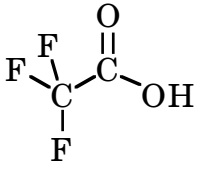
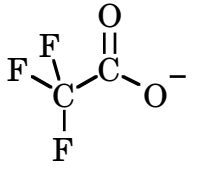
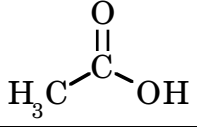
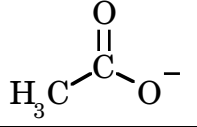
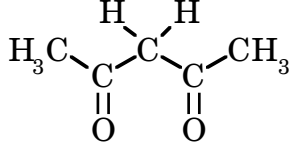
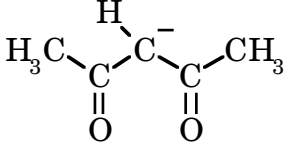
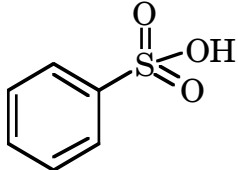
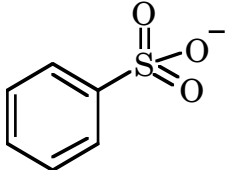
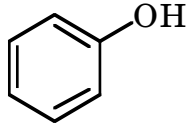
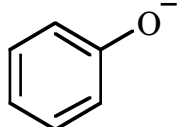
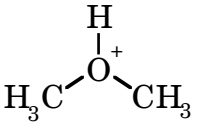
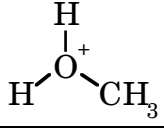
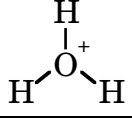
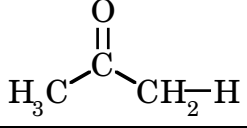
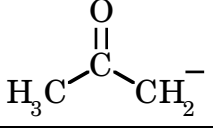


Relative Strength of Some Brønsted-Lowry Acids

Acid	pK_a	Conjugate Base	Acid	pK_a	Conjugate Base
HSbF_6	-12	SbF_6^-		0.52	
HI	-10	I^-	HF	3.2	F^-
H_2SO_4	-10	HSO_4^-		4.75	
HBr	-9	Br^-		9.0	
HCl	-7	Cl^-	NH_4^+	9.2	NH_3
	-6.5			9.9	
	-3.8	$\text{H}_3\text{C}-\text{O}-\text{CH}_3$	$\text{H}_3\text{C}-\text{NH}_3^+$	10.6	$\text{H}_3\text{C}-\text{NH}_2$
	-2.5	$\text{H}-\text{O}-\text{CH}_3$	$\text{H}-\text{O}-\text{H}$	15.7	$\text{H}-\text{O}^-$
	-1.74	$\text{H}-\text{O}-\text{H}$	$\text{H}_3\text{C}-\text{O}-\text{H}$	16	$\text{H}_3\text{C}-\text{O}^-$
HNO_3	-1.4	NO_3^-		19.2	
			$\text{H}-\text{C}\equiv\text{C}-\text{H}$	25	$\text{H}-\text{C}\equiv\text{C}^-$
			H_2	35	H^-
			NH_3	38	NH_2^-
			$\text{H}_2\text{C}=\text{CH}_2$	44	$\text{H}_2\text{C}=\text{CH}^-$
			$\text{H}_3\text{C}-\text{CH}_3$	50	$\text{H}_3\text{C}-\text{CH}_2^-$