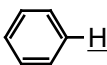
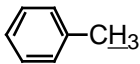
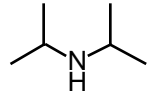
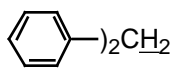
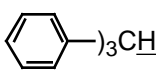
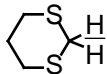
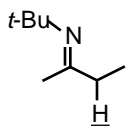
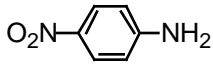

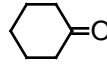
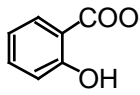
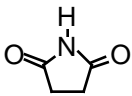
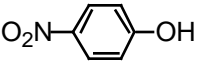
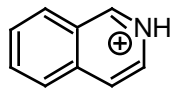
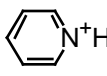
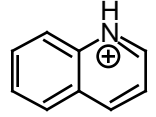
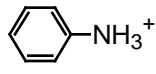
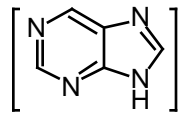
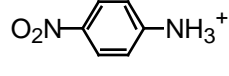

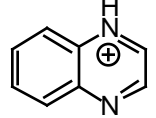
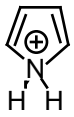


Compound	pKa
$\text{CH}_3\text{CH}_2\text{-H}$	50
$\text{CH}_2=\text{CH}_2$	44
	43
	41
	40
$\text{H}_2\text{C}=\text{CHCH}_3$	40
PhSOCH_3	35
MeNH_2	35
NH_3	35
	34
	31.5
	31
	30
PhNH_2	27
CH_3CN	25
CH_3CO_2^-	25
Cl_3CH	25
$\text{CH}_3\text{CO}_2\text{Et}$	25
HC C-H	25
CH_3CONR_2	25
RSO_2CH_3	23
Ph_2NH_2	23
CH_3COCH_3	20
	19
PhCOCH_3	19

Compound	pKa
$t\text{-BuOH}$	19
$\text{Ph}_3\text{P}^+\text{CH}_2\text{R}$	18-20
EtOH	17
	17
CH_3OH	16
	16
RCONHR	16
H_2O	15.7
$\text{RCH}(\text{CO}_2\text{Et})_2$	15
$\text{CH}_2(\text{CO}_2\text{Et})_2$	12.7
	13
CH_3SH	12
H_2O_2	12
$\text{CH}_2(\text{CN})_2$	11
$\text{CH}_3\text{COCH}_2\text{CO}_2\text{R}$	11
PhSO_2NH_2	10
PhOH	10
$(\text{CH}_3)_3\text{NH}^+$	10
	10
O_2NCH_3	10
HCN	9
$\text{CH}_2(\text{COCH}_3)_2$	9
$\text{NC-CH}_2\text{-CO}_2\text{R}$	9
NH_4^+	9
H_3BO_3	9
PhSH	8
	7
H_2CO_3	6.4

Compound	pKa
	5.38
	5.3
	4.78
$\text{CH}_3\text{CO}_2\text{H}$	4.7
	4.6
HCO_2H	3.7
$\text{CH}_2(\text{NO}_2)_2$	3.6
HNO_2	3.2
$\text{ClCH}_2\text{CO}_2\text{H}$	2.8
 H^+	2.39
H_3PO_3	2.2
H_2SO_3	1.8
HNO_3	1.3
$\text{Cl}_2\text{CHCO}_2\text{H}$	1.3
	1.0
	0.65
	0.56
	0.4
$\text{CF}_3\text{CO}_2\text{H}$	0.2
$\text{CH}_3\text{SO}_3\text{H}$	-1.2
H_2SO_4	-5.2

	-5.52
HCl	-7
HClO ₄	-10