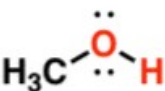
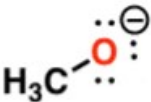
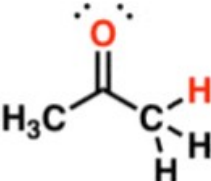
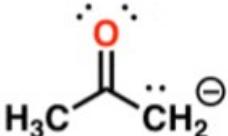
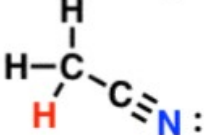
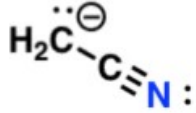
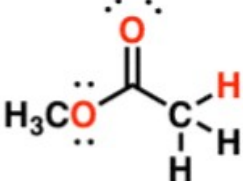
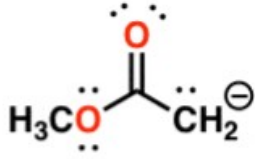
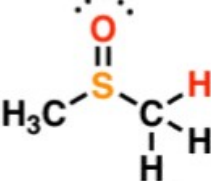
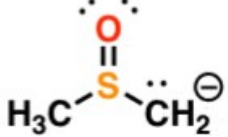
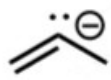


Functional group	Example	pKa	Conjugate Base
Hydroiodic acid	$\text{H}-\ddot{\text{I}}:$	-10	$:\ddot{\text{I}}:^{\ominus}$
Hydrobromic acid	$\text{H}-\ddot{\text{Br}}:$	-9	$:\ddot{\text{Br}}:^{\ominus}$
Hydrochloric acid	$\text{H}-\ddot{\text{Cl}}:$	-6	$:\ddot{\text{Cl}}:^{\ominus}$
Sulfuric acid	$\begin{array}{c} \ddot{\text{O}} \\ \parallel \\ \text{HO}-\text{S}-\text{O}-\text{H} \\ \parallel \\ \ddot{\text{O}} \end{array}$	-3	$\begin{array}{c} \ddot{\text{O}} \\ \parallel \\ \text{HO}-\text{S}-\text{O}:^{\ominus} \\ \parallel \\ \ddot{\text{O}} \end{array}$
Hydronium ion	$\text{H}_2\text{O}^{\oplus}-\text{H}$	-1.7	$\text{H}_2\text{O}:$
Sulfonic acids	$\begin{array}{c} \ddot{\text{O}} \quad \ddot{\text{O}} \\ \diagup \quad \diagdown \\ \text{H}_3\text{C}-\text{C}_6\text{H}_4-\text{S} \\ \diagdown \quad \diagup \\ \ddot{\text{O}}-\text{H} \end{array}$ (tosic acid)	-1	$\begin{array}{c} \ddot{\text{O}} \quad \ddot{\text{O}} \\ \diagup \quad \diagdown \\ \text{H}_3\text{C}-\text{C}_6\text{H}_4-\text{S} \\ \diagdown \quad \diagup \\ \ddot{\text{O}}:^{\ominus} \end{array}$
Hydrofluoric acid	$\text{H}-\ddot{\text{F}}:$	3.2	$:\ddot{\text{F}}:^{\ominus}$
Carboxylic acids	$\begin{array}{c} \ddot{\text{O}} \\ \parallel \\ \text{H}_3\text{C}-\text{C}-\text{O}-\text{H} \\ \mid \\ \ddot{\text{O}} \end{array}$	4	$\begin{array}{c} \ddot{\text{O}} \\ \parallel \\ \text{H}_3\text{C}-\text{C}-\text{O}:^{\ominus} \\ \mid \\ \ddot{\text{O}} \end{array}$
Protonated amines	$\text{H}-\text{NH}_3^{\oplus} \quad \ddot{\text{Cl}}:^{\ominus}$	9-11	$:\text{NH}_3$
Thiols	$\text{CH}_3-\ddot{\text{S}}-\text{H}$	13	$\text{CH}_3-\ddot{\text{S}}:^{\ominus}$
Malonates	$\begin{array}{c} \ddot{\text{O}} \quad \ddot{\text{O}} \\ \parallel \quad \parallel \\ \text{H}_3\text{CO}-\text{C} \quad \text{C}-\text{OCH}_3 \\ \mid \quad \mid \\ \text{H} \quad \text{H} \end{array}$	13	$\begin{array}{c} \ddot{\text{O}} \quad \ddot{\text{O}} \\ \parallel \quad \parallel \\ \text{H}_3\text{CO}-\text{C} \quad \text{C}-\text{OCH}_3 \\ \mid \quad \mid \\ :\quad \text{H} \end{array}$
Water	$\text{HO}-\text{H}$	14	$\text{HO}:^{\ominus}$

Alcohol		17	
Ketone/ aldehyde		20-24	
Nitrile		25	
Ester		25	
Alkyne	$R-C\equiv C-H$	25	$R-C\equiv C:^-$
Sulfoxide		31	
Amine	$H_2\ddot{N}-H$	~35	$:\ddot{N}H_2^-$
Hydrogen	$H-H$	36	H^-
Alkene		~43	
Alkane	$H_3C-CH_2-CH_3$	~50	$H_3C-CH_2-CH_2^-$

Source :

The pKa table is your friend. *Master Organic Chemistry*. [En ligne].

Disponible sur : www.masterorganicchemistry.com/2010/06/18/know-your-pkas/