


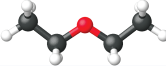

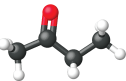
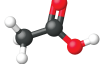
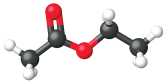

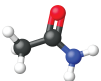


Compound Name	Structure of Compound and Functional Group (red)	Example		
		Formula		Name
alkene	$\text{C}=\text{C}$	$\text{C}_2\text{H}_4$		ethene
alkyne	$\text{C}\equiv\text{C}$	$\text{C}_2\text{H}_2$		ethyne
alcohol	$\text{R}-\ddot{\text{O}}-\text{H}$	$\text{CH}_3\text{CH}_2\text{OH}$		ethanol
ether	$\text{R}-\ddot{\text{O}}-\text{R}'$	$(\text{C}_2\text{H}_5)_2\text{O}$		diethyl ether
aldehyde	$\begin{array}{c} \text{:O:} \\    \\ \text{R}-\text{C}-\text{H} \end{array}$	$\text{CH}_3\text{CHO}$		ethanal
ketone	$\begin{array}{c} \text{:O:} \\    \\ \text{R}-\text{C}-\text{R}' \end{array}$	$\text{CH}_3\text{COCH}_2\text{CH}_3$		methyl ethyl ketone
carboxylic acid	$\begin{array}{c} \text{:O:} \\    \\ \text{R}-\text{C}-\ddot{\text{O}}-\text{H} \end{array}$	$\text{CH}_3\text{COOH}$		acetic acid
ester	$\begin{array}{c} \text{:O:} \\    \\ \text{R}-\text{C}-\ddot{\text{O}}-\text{R}' \end{array}$	$\text{CH}_3\text{CO}_2\text{CH}_2\text{CH}_3$		ethyl acetate
amine	$\begin{array}{c} \text{:N:} \\   \\ \text{R}-\text{N}-\text{H} \\   \\ \text{H} \end{array} \quad \begin{array}{c} \text{:N:} \\   \\ \text{R}-\text{N}-\text{H} \\   \\ \text{R}' \end{array} \quad \begin{array}{c} \text{:N:} \\   \\ \text{R}-\text{N}-\text{R}'' \\   \\ \text{R}' \end{array}$	$\text{C}_2\text{H}_5\text{NH}_2$		ethylamine
amide	$\begin{array}{c} \text{:O:} \\    \\ \text{R}-\text{C}-\ddot{\text{N}}-\text{R}' \\   \\ \text{H} \end{array}$	$\text{CH}_3\text{CONH}_2$		acetamide