

Alcohol $\text{R}-\text{OH}$

Aldehyde $\text{R}-\overset{\text{O}}{\parallel}{\text{C}}-\text{H}$

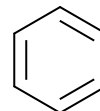
Alkene $\begin{array}{cc} \text{R} & \text{R} \\ & \diagdown \quad \diagup \\ & \text{C}=\text{C} \\ & \diagup \quad \diagdown \\ \text{R} & \text{R} \end{array}$

Alkyne $\text{R}-\text{C}\equiv\text{C}-\text{R}$

Amide $\begin{array}{c} \text{O} \\ \parallel \\ \text{R}-\text{C}-\text{N}-\text{R} \\ | \\ \text{R} \end{array}$

Amine $\begin{array}{c} \text{R} \\ / \\ \text{R}-\text{N} \\ \backslash \\ \text{R} \end{array}$

Aromatic



Carboxylic Acid $\text{R}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OH}$

Ester $\text{R}-\overset{\text{O}}{\parallel}{\text{C}}-\text{O}-\text{R}$

Ether $\text{R}-\text{O}-\text{R}$

Ketone $\text{R}-\overset{\text{O}}{\parallel}{\text{C}}-\text{R}$

Nitrile $\text{R}-\text{C}\equiv\text{N}$

Thiol $\text{R}-\text{SH}$