



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

Aromatic

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

*Carboxylic acid*  $\text{R}-\overset{\text{O}}{\underset{\text{O}}{\text{C}}}-\text{OH}$

*Alkene*  $\text{R}-\text{C}=\text{C}-\text{R}$

*Ester*  $\text{R}-\overset{\text{O}}{\underset{\text{O}}{\text{C}}}-\text{R}$

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

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

*Amide*  $\text{R}-\overset{\text{C}}{\underset{\text{O}}{\text{C}}}-\text{N}(\text{R})_2$

*Ketone*  $\text{R}-\overset{\text{O}}{\underset{\text{O}}{\text{C}}}-\text{R}$

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

*Amine*  $\text{R}-\text{N}(\text{R})_2$

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