Aldehyde

$$\underset{R}{\overset{\displaystyle O}{\overset{\|}{\underset{\displaystyle R}{C}}}}$$

Alkyne $R-C\equiv C-R$

Alkene

$$\underset{R}{\overset{R}{C}}=\underset{R}{\overset{R}{C}}$$

Carboxylic acid

$$\underset{R}{\overset{\displaystyle O}{\overset{\|}{C}}}{\diagdown}_{OH}$$

Amide

$$\underset{R}{\overset{\displaystyle O}{\overset{\|}{C}}}\underset{\underset{R}{|}}{N}{-}R$$

Ester

$$\underset{R}{\overset{\displaystyle O}{\overset{\|}{C}}}\underset{O}{\diagdown}{-}R$$

Alcohol $R-OH$

Amine $R-N\underset{R}{\overset{R}{\diagup}}$

Aromatic

Thiol $R-SH$

Ketone

$$\underset{R}{\overset{\displaystyle O}{\overset{\|}{\underset{\displaystyle R}{C}}}}$$

Ether $R-O-R$

Nitrile $R-C\equiv N$