Alcohols	R-OH	Aromatic	
Aldehyde	O R C H	Carb oxylic Acid	O C R OH
Alkene	$ \begin{array}{ccc} R & R \\ C = C \\ R & R \end{array} $	Ether	R-0-R
Alkyne	R−C≡C−R	Ketone	O
Amide	O R	Ester	O
Amine	,R R-N _. R	Nitrile	R−C≡N

Thiol R-SH