


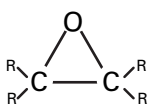





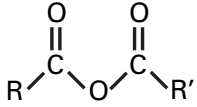


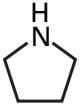
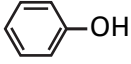
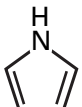

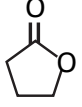
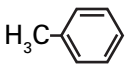
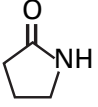
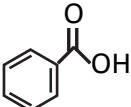
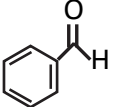


FUNCTIONAL GROUPS & OTHER KEY PLAYERS

—	Alkanes	R—X	Alkyl-Halide		Ethylene Oxide
=	Alkenes	$\text{R—C}\equiv\text{N}$	Nitrile		Ethylene Imine
$\text{}\equiv\text{}$	Alkynes	$\text{R—N=N—R}'$	AZO Compound		Ethylene Sulfide
—OH	Hydroxyl (Alcohol)	—SH	Thiol		Epoxides (Oxiranes)
O \parallel C	Carbonyl		Sulfide		Tetrahydrofuran
O \parallel R—C—H	Aldehyde		Disulfide		Furan
O \parallel R—C—OH	Carboxylic Acid	$\text{—OCH}_2\text{CH}_3$	Ethoxy		Benzene Ring (Aromatics, Arene)
O \parallel $\text{R—C—R}'$	Ketone		Acid Anhydride		Benzene Ring (Aromatics, Arene)
O \parallel $\text{R—C—R}'$	Ketone		Phenyl		Pyrrolidine
O \parallel $\text{R—C—OR}'$	Ester		Phenol		Pyrrole
$\text{R—O—R}'$	Ether		Aryl (Ar)		Lactone
$\text{R—N—R}'$ \mid R''	Amine		Toluene		Lactam
O \parallel —C—N—R \mid R'	Amide		Benzoic Acid		
$\text{R—N—R}''$ \parallel $\text{R—C—R}'$	Imine		Benzaldehyde		