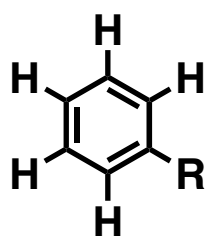


FUNCTIONAL GROUPS

<u>structure</u>	<u>type of molecule</u>	<u>name syntax</u> (<u>R = name of group</u> <u>from # carbons</u>)
$R-NH_2$	primary amine (amino)	amino R
$R-OH$	alcohol (hydroxy)	R ol (hydroxy R)
$\begin{array}{c} R \\ \\ R''-N-R' \end{array}$	secondary or tertiary amine	R R' R'' amine
$\begin{array}{c} O \\ \\ R-C-H \end{array}$	aldehyde	(R + 1) al
$\begin{array}{c} O \\ \\ R-C-R \end{array}$	ketone	(R + R + 1) one
$\begin{array}{c} O \\ \\ R-C-OH \end{array}$	carboxylic acid	(R + 1) oic acid
$\begin{array}{c} O \\ \\ R-C-OR' \end{array}$	ester	R' (R+1) oate
$\begin{array}{c} O \\ \\ R-C-N-R' \\ \\ H \end{array}$	amide	N-R' (R+1) amide
	benzene (phenyl)	R benzene (phenyl R)