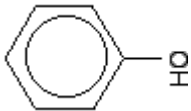
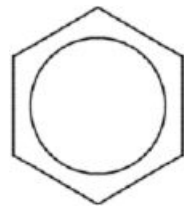


Class	Structure	Example	Name	Ending
Alkane	C—C	CH <sub>3</sub> —CH <sub>3</sub>	Ethane	-ane
Alkene	C=C	CH <sub>2</sub> =CH <sub>2</sub>	Ethene	-ene
Alkyne	C≡C	CH≡CH	Ethyne	-yne
Organic Halide	R—X	CH <sub>3</sub> Cl	Methyl chloride	-ide
Alcohol	R—OH	CH <sub>3</sub> —OH	Methanol	-ol
Phenol	Ar—OH		Phenol	-ol
Ether	R—O—R	CH <sub>3</sub> -O-CH <sub>3</sub>	dimethyl ether	-ether
Amine	R—NH <sub>2</sub>	CH <sub>3</sub> -NH <sub>2</sub>	methyl amine	-amine

<u>Class</u>	<u>Structure</u>	<u>Example</u>	<u>Name</u>	<u>Ending</u>
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Benzene
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$C_6H_6$
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benzene
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-ene
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Class	Structure	Example	Name	Ending
Aldehyde	$\begin{array}{c} \text{RCH} \\    \\ \text{O} \end{array}$	$\begin{array}{c} \text{HCH} \\    \\ \text{O} \end{array}$	formaldehyde	-aldehyde, -al
Ketone	$\begin{array}{c} \text{RCR} \\    \\ \text{O} \end{array}$	$\begin{array}{c} \text{CH}_3\text{CCH}_3 \\    \\ \text{O} \end{array}$	propanone	-one
Carboxylic Acid	$\begin{array}{c} \text{RCOH} \\    \\ \text{O} \end{array}$	$\begin{array}{c} \text{HCOH} \\    \\ \text{O} \end{array}$	formic acid	-ic acid
Ester	$\begin{array}{c} \text{RCOR} \\    \\ \text{O} \end{array}$	$\begin{array}{c} \text{HCOCH}_3 \\    \\ \text{O} \end{array}$	ethyl ethanoate	-oate, -ate
Amide	$\begin{array}{c} \text{RCNH}_2 \\    \\ \text{O} \end{array}$	$\begin{array}{c} \text{CH}_3\text{CNH}_2 \\    \\ \text{O} \end{array}$	ethanamide	-amide