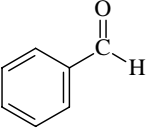
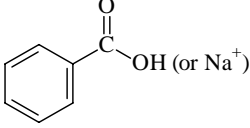
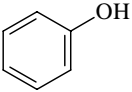
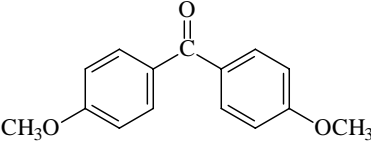


CHM 212 Interesting tidbits

<u>Name</u>	<u>Structure</u>	<u>Interesting tidbit</u>
benzaldehyde		found in cherries, almonds
benzoic acid and its Na ⁺ salt		food preservative
phenol		antiseptic in Listerine
4,4'-dimethoxybenzophenone		in sunscreen
ethyl alcohol	$\text{CH}_3\text{CH}_2\text{OH}$	from fermentation of grain; in alcoholic beverages
isopropyl alcohol	$(\text{CH}_3)_2\text{CHOH}$	rubbing alcohol
methyl alcohol	CH_3OH	in Sterno; ingestion causes blindness
methanethiol; methyl mercaptan	CH_3SH	responsible for foul odor in cabbage, bad breath, and flatus
ethanethiol; ethyl mercaptan	$\text{CH}_3\text{CH}_2\text{SH}$	'odor' added to natural gas and propane to allow detection of leaks
formic acid	$\begin{array}{c} \text{O} \\ \\ \text{HCOH} \end{array}$	irritant released by fire ants
acetic acid	$\begin{array}{c} \text{O} \\ \\ \text{CH}_3\text{COH} \end{array}$	found in vinegar; oxidation product of ethanol (when wine goes bad)
ethylene glycol	$\text{HOCH}_2\text{CH}_2\text{OH}$	in automobile antifreeze; it is converted to oxalic acid (toxic) by liver enzymes
oxalic acid	$\begin{array}{c} \text{OO} \\ \\ \text{HOCCOH} \end{array}$	toxic substance found in oxalis (flowering clover-like plant), rhubarb and spinach