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* للحصول على أوراق عمل لجميع مواد الصف الثاني عشر المتقدم اضغط هنا

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* للحصول على جميع أوراق الصف الثاني عشر المتقدم في مادة كيمياء وجميع الفصول, اضغط هنا

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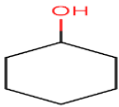
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Alkyl Halide R-X

Compound	Common name	Uses -properties	
Chloromethane	silicone	used in the manufacturing process for silicone products	
chlorofluorocarbons	CFC	widely used in refrigerators and air-conditioning systems.	affect the ozone layer
hydrofluorocarbons	HFC	widely used in refrigerators and air-conditioning systems.	NOT affect the ozone layer
1,1,2-trifluoroethane	R134a	common HFCs	
polytetrafluoroethene	(PTFE)	provides a nonstick surface for many kitchen items	
polyvinyl chloride	PVC	manufactured soft or hard, as thin sheets, or molded into objects.	
(2-bromo-2-chloro-1,1,1-trifluoroethane	Halothane	anesthetic for patients	

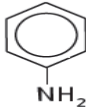
Alcohols R-O-H

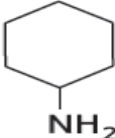
Methanol	$\begin{array}{c} \text{H} \\ \\ \text{H}-\text{C}-\text{OH} \\ \\ \text{H} \end{array}$	the simplest alcohol, is a common industrial solvent found in some paint.	
Ethanol	$\begin{array}{c} \text{H} \quad \text{H} \\ \quad \\ \text{H}-\text{C}-\text{C}-\text{OH} \\ \quad \\ \text{H} \quad \text{H} \end{array}$	produced by yeasts when they ferment sugars used to swab skin before an injection It is also a gasoline additive and an important starting material for the synthesis of more complex organic compounds.	
Cyclohexanol		poisonous compound used as a solvent for certain plastics and in the manufacture of insecticides.	
1,2,3-propanetriol	$\begin{array}{c} \text{CH}_2-\text{CH}-\text{CH}_2 \\ \quad \quad \\ \text{OH} \quad \text{OH} \quad \text{OH} \\ \text{Glycerol} \end{array}$	used as an antifreeze and as an airplane deicing fluid.	
2-butanol	$\begin{array}{c} \text{H} \quad \text{H} \quad \text{H} \quad \text{H} \\ \quad \quad \quad \\ \text{H}-\text{C}_1-\text{C}_2-\text{C}_3-\text{C}_4-\text{H} \\ \quad \quad \quad \\ \text{H} \quad \text{OH} \quad \text{H} \quad \text{H} \end{array}$	found in some stains and varnishes	

Ether R-O-R

diethyl ether	$\text{CH}_3-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_3$	volatile, highly flammable substance that was commonly <u>used as an anesthetic</u> in surgery from	
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Amine R-NH₂

Benzyl amine	 aniline	production of dyes with deep shades of color.	
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Cyclohexylamine		Cyclohexylamine and ethylamine are important in the manufacture of pesticides, plastics, pharmaceuticals, and rubber that is used to make tires.	
ethylamine	$\begin{array}{c} \text{CH}_3\text{CH}_2 \\ \\ \text{NH}_2 \end{array}$		
amines are responsible for many of the odors characteristic of dead, decaying organisms.			