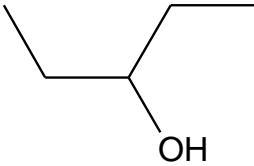
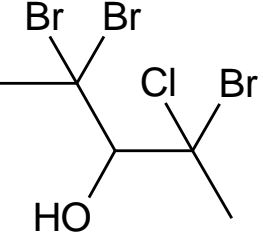
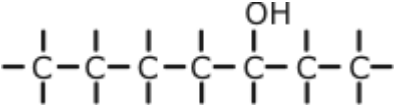
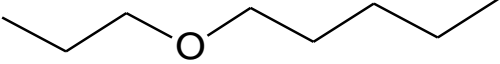
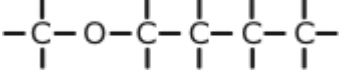
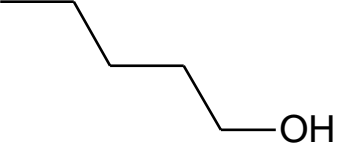


Wk 12 - **Halocarbons, Alcohols and Ethers**

INSTRUCTIONS: Complete the following chart

	Structural Diagram	Name
1		2,2-dimethyl-4-propyl-3-heptanol
2	$ \begin{array}{ccccccc} & & \text{H}_3\text{C}-\text{CH}_2 & & \text{CH}_2-\text{CH}_3 & & \\ & & / & & / & & \\ \text{H}_3\text{C}-\text{CH}_2 & & & \text{CH}-\text{CH} & & & \\ & & / & & / & & \\ & & \text{CH}-\text{CH}_2 & & \text{OH} & & \\ & & / & & & & \\ & & \text{H}_3\text{C} & & & & \end{array} $	
3		2-methyl-1-butanol
4		
5		3-chloro-2,4-difluorooctane
6	$ \begin{array}{cccccccc} & & \text{H} & & & & \text{H} & & \\ & & & & & & & & \\ & & \text{Cl}-\text{C}-\text{Cl} & & & & \text{Cl}-\text{C}-\text{H} & & \\ & & & & & & & & \\ & & \text{H}-\text{C}-\text{H} & & & & \text{H}-\text{C}-\text{H} & & \\ & & & & & & & & \\ \text{H} & \text{H} & & \text{H} & \text{Cl} & \text{H} & & \text{H} & \\ & & & & & & & & \\ \text{H}-\text{C}-\text{C}-\text{C}-\text{C}-\text{C}-\text{C}-\text{C}-\text{C}-\text{H} & & & & & & & & \\ & & & & & & & & \\ \text{H} & \text{H} & \text{H} & \text{Br} & \text{Br} & \text{H} & \text{H} & \text{H} & \\ & & & & & & & & \\ & & & & & & \text{H}-\text{C}-\text{H} & & \\ & & & & & & & & \\ & & & & & & \text{H} & & \end{array} $	

7		pentylpropyl ether
8	 <p>A skeletal structure of a five-carbon chain. The second carbon from the left has a bromine atom (Br) attached. The third carbon has a chlorine atom (Cl) attached. The fourth carbon has two bromine atoms (Br) attached. The fifth carbon has a hydroxyl group (HO) attached.</p>	
9	 <p>A skeletal structure of a seven-carbon chain. The fifth carbon from the left has a hydroxyl group (OH) attached. The second and fourth carbons each have two methyl groups attached, making them quaternary carbons.</p>	
10	 <p>A skeletal structure of an ether with two three-carbon chains (propyl groups) attached to a central oxygen atom.</p>	
11		7-ethyl-1-iodo-4-propylcyclooctane
13	 <p>A skeletal structure of an ether with a one-carbon chain (methyl group) and a three-carbon chain (propyl group) attached to a central oxygen atom.</p>	
14		2-methyl-2-pentanol
15	 <p>A skeletal structure of a five-carbon chain with a hydroxyl group (OH) attached to the first carbon.</p>	
16		2,2-dichloroethanol