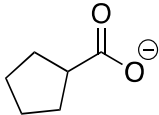
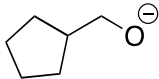
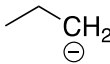



Quiz #5

1. For each pair, **circle** the better nucleophile for an SN2 reaction in the solvent listed (i.e., don't circle the solvent). No explanations needed! (8 pts; 2 pts each)

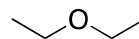
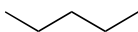
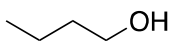
Pair		Solvent
	vs	
I^-	vs	Cl^-
	vs	
Cl^-	vs	SH^-
		$\text{S}=\text{O}$ (dimethyl sulfone)
		2-propanol
		THF
		H ₂ O

2. Draw the structures of 2-propanol and THF in the spaces indicated. (2 pts; 1 pt each)

2-propanol:

THF:

3. Rank the boiling points of the following molecules from 1 to 3, with 1 being the highest. Also, for each one, circle the type of intermolecular force that **best** explains the ranking order (i.e., circle only one). (6 pts; 2 pts each)



H-bonds

H-bonds

H-bonds

Dipoles

Dipoles

Dipoles

van der Waals only

van der Waals only

van der Waals only

4. Name each of the following compounds. (4 pts; 2 pts each)

