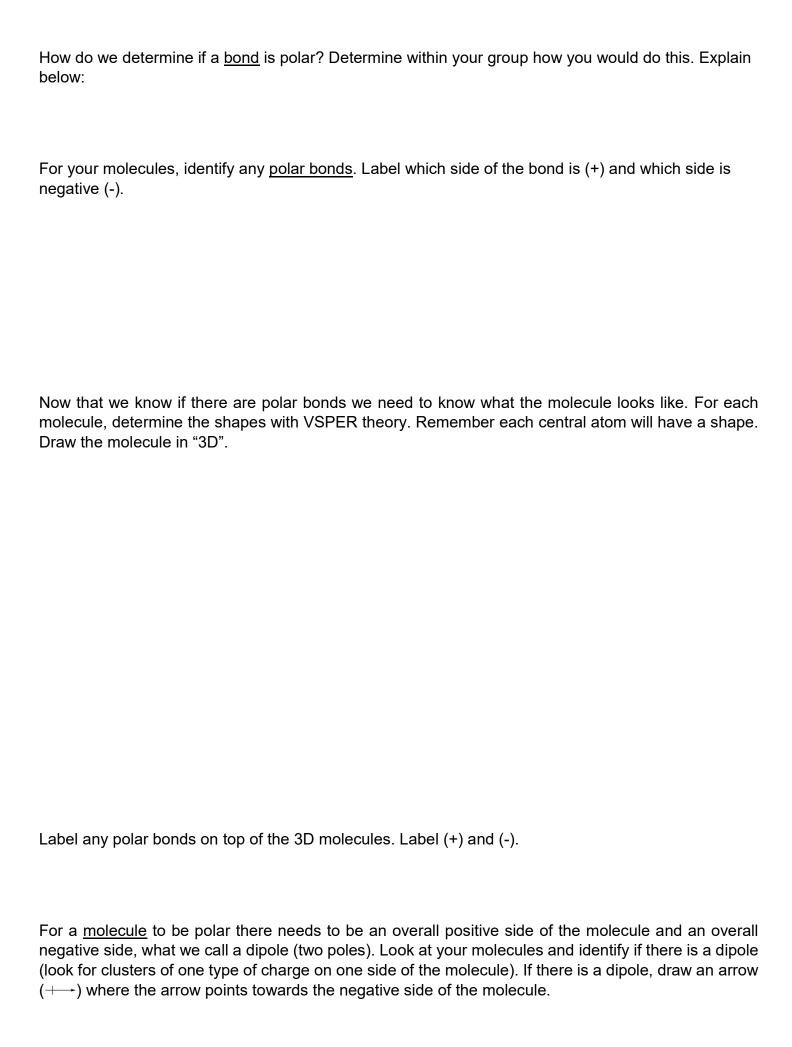
Refresher on Polarity

One of the very first topics covered in Gen Chem II is understanding how molecules interact with each other. A lot of these interactions are governed by whether a molecule is polar or not, so we need to be able to quickly determine if a molecule is polar or nonpolar. Whether you remember this perfectly, or it's been a little while (that's ok!), work with your group on the following exercises:

First, identify if the substance is an <u>ionic compound</u> or a <u>molecule</u> :							
KBr	CCI ₄	NH ₃	CuS	C ₆ H ₁₄			
Explain how you differentiated between the ionic compounds and the molecules.							
Now, take the molecules and draw the Lewis dot diagram for each.							
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Once we have the Lewis Dot Diagram we now need to determine two things:

- (1) Does the molecule contain any polar bonds?
- (2) What is the shape of the molecule?



Based on your draw	vings, which molecules are	polar?				
Can you have a mo	lecule which contains polai	bonds, but is not po	olar? Explain.			
Why did we only look at molecules for polarity? Why not consider the ionic compounds?						
Using the work flo nonpolar	w from above practice de	etermining if the mo	lecules below are p	olar or		
CS ₂	CH ₂ Br ₂	CH₂O	PF ₅	CH₃COOH		