N	ame:			Lab Section:				
1.	For each of the chemical tests used in this experiment, indicate the specific functional group(s) that will be <i>predicted</i> to provide a positive test. Fill in your results in the table below. (15 points)							
	Chemical Tests			Predicted Functional Group(s)				
-	Jones Test				-			
-	Lucas Test							
-	Iodoform Test	;						
=	Permanganate To	est						
-	Bromine/Water Test							
2.	Fill in the results for <i>your specifi</i> functional group is in your comp	ic compoun ound. For e	<u>d</u> (not a	all the possible functional e, if the Jones test is position	groups but specifically which			
2.	functional group is in your compand secondary alcohols but pick (20 points)	ound. For e	example	e, if the Jones test is posit	tive, do not list both primary			
2.	functional group is in your compand secondary alcohols but pick	ound. For e	example	e, if the Jones test is position is in your compound spe	tive, do not list both primary ecifically) in the table below. Functional Group			
2.	functional group is in your compand secondary alcohols but pick (20 points) Compound #	ound. For e	example	e, if the Jones test is positis in your compound spe Bench:	tive, do not list both primary ecifically) in the table below.			
2.	functional group is in your compand secondary alcohols but pick (20 points) Compound # TEST	ound. For e	example	e, if the Jones test is positis in your compound spe Bench:	tive, do not list both primary ecifically) in the table below. Functional Group			
2.	functional group is in your compand secondary alcohols but pick (20 points) Compound # TEST Jones Test	ound. For e	example	e, if the Jones test is positis in your compound spe Bench:	tive, do not list both primary ecifically) in the table below. Functional Group			
2.	functional group is in your compand secondary alcohols but pick (20 points) Compound # TEST Jones Test Lucas Test	ound. For e	example	e, if the Jones test is positis in your compound spe Bench:	tive, do not list both primary ecifically) in the table below. Functional Group			

3. For each unknown compound tested at your bench, fill in the results of the chemical tests in the table below. (*Use your results and results from other students at your bench*) Fill in a plus (+) or minus (-) for each test and each compound. (20 points)

Compound	1	2	3	4
•	(fill in bench letter)			
Jones Test				
Lucas Test				
Iodoform Test				
Permanganate Test				
Bromine/Water Test				

4. From the analysis of the results presented in question #4, identify which group of compounds (I-VI, provided in the experimental procedure) best corresponds to the compounds tested at your bench. List the compounds in the group and provide the structures. If there are inconsistencies between the group you propose and the experimental results, identify the inconsistencies. (25 points)

Group Number Proposed:(Select I-VI)							
Compound Number	Name of Compound and Structure	Name of Test(s) that are Inconsistent					
1							
2							
3							
4							

5. Using the compound you identified as your unknown, draw the reaction mechanism of this compound with one of the chemical test reagents that gave a positive result. (20 points) (Attached an additional sheet to draw the mechanism)