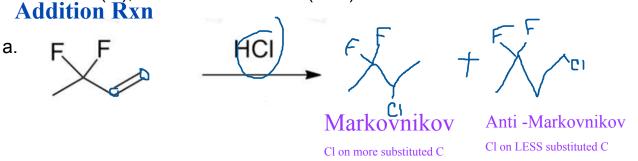
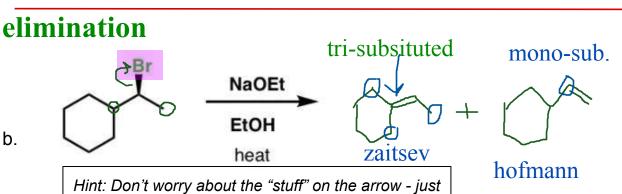
Name:	Di	ate:	Pd:	
	O-Chem 8.6 Practice "Stereocher			ms"
draw scribble-l	etions: Add/edit text boxes to complete the vings and lines. CLICK HERE to see a vide line tool. You may also draw your answers bogle assignment as an image or paste the	eo of how to on paper the	make drawings u en attach your dra	sing the awings to the
1. What is	a "carbocation"?generally created as an "intermed when the + charge is on a carbon			
2. What is	s "regiochemistry"? Regiochemistry is a concern to where the reaction takes place carbons)			
3. Explain a.	the "basics" of what happens during an election TWO atoms are removed (eliminated the leaving group) and a H. What are the two possible types of production and the two possible types of productions.	d) and a double b	bond is formed. Typic	
b.	How can you distinguish between them? Zaitsev will have a higher-substitute	ots, oms	Major, "Zaitsev" product (more substituted alkene	product
C.	Which product tends to be more stable? The Zaitsev product b/c it will have the	Why?	arbocation intermedian	te
4. Explain	the "basics" of what happens during an ac Two atoms (or groups) are ADDED to			
a.	What are the two possible types of produ Markovnikov and Anti-Markovnikov		HBr Br	Markovnikov product
b.	How can you distinguish between them? Markovnikov = the "larger" of the at	toms (or groups)		
	Anti-Markovnikov = the "larger" of	the atoms (or gre	oups) is being added t	o a lower sub. C

c. Which product tends to be more stable? Why?

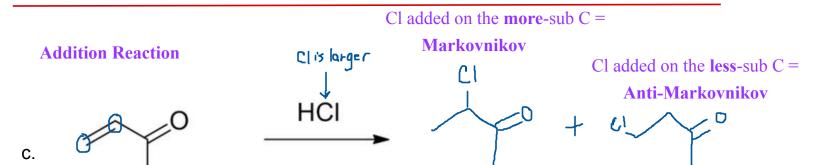
The Markovnikov product b/c it will have the more stable carbocation intermediate

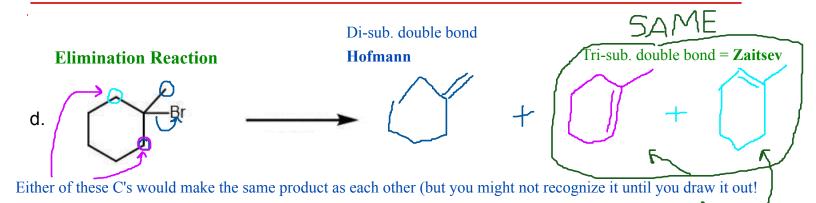
3. Using your "foldable" that we made for elimination and addition reactions. <u>Predict the two possible products for each reaction.</u> <u>Label each answer</u> as either Zaitsev (**Z**), Hoffman (**H**), Markovnikov (**M**), or Anti-Markovnikov (**A-M**).





predict the possible products!





Elimination Reaction

