Welcome everyone!

Today's Experiment Alkyl Halide Substitutions

We will begin at 12:10pm.

Please add your group number to the beginning of your name.

> Use this time to ask questions and chat!

		d Elimination Comp	σαποσπο	Dof				CHEM 12A Section 311 La October	
	cular Nucleophilic s aving group bond is b		2): a good r		<i>initions</i> hes an electrophile and fo	orms a bond	with the ele	ctrophilic carbon as	the
	ecular Nucleophilic acked by a weak nuc	* 1		electrophile leaving	group bond breaks to for	m a semi-st	able carboca	tion intermediate th	at is
Bimole	cular Elimination (E	2): a strong base	removes a p	oroton anti-periplana	r to a good leaving group a	as its bond b	reaks to insta	all a double bond	
Unimol bond	ecular Elimination ((E1): a weak base	e removes a	proton adjacent to	a carbocation carbon after	a poor leav	ing group ha	as left to install a do	uble
		Polarizabl	•	unhindered, negative	ood nucleophile? ely charged species are go species are poor nucleophi		niles.		
	Good	√ 0⁻	ŀ	-c ^{≡N}	OH	CI	\nearrow NH ₂	Poor	
	O 7 I	•	.	egative species that	ood leaving group? can stabilize charge with respectives that cannot resona		<u> </u>	O O I	
				0-	i				
	Good	H_O_H	ľ	Ts O	~O-	F-	OH-	Poor	
	Good	Neg	jatively-char	What makes a ged, moderately elec	a strong base? ctronegative species are gas, but not all strong bases	ood bases.		Poor	
	Good	Neg	jatively-char	What makes a ged, moderately elec	ctronegative species are g	ood bases.		Poor Weak	
	Strong	Neg Note that all god Polar, aprotic s	patively-char od nucleoph H ⁻ solvents end	What makes a ged, moderately electrics are strong bases NH2 ⁻ What solvents encomous age bimolecular	ctronegative species are g	ood bases. <i>are good nu</i> Br ⁻ with the nu	cleophiles. OH cleophile.	Weak	

Br
$$\frac{Nal}{Acetone}$$
 $\frac{S_N^2}{fast}$ + $\frac{NaBr}{Ash}$ $\frac{EtO}{AgNO_3}$ $\frac{EtO}{AgNO_3}$ $\frac{EtO}{Sol}$ $\frac{S_N^2}{Sol}$ + $\frac{NaBr}{Acetone}$ $\frac{Nal}{Acetone}$ $\frac{S_N^2}{fast}$ + $\frac{NaBr}{Acetone}$ $\frac{Nal}{Acetone}$ $\frac{Nal}{Acetone}$ $\frac{S_N^2}{fast}$ + $\frac{NaBr}{fast}$ + $\frac{NaBr}{Acetone}$ $\frac{Nal}{Acetone}$ $\frac{S_N^2}{fast}$ + $\frac{S_N^2}{$