	Problem Set - Elimination Reactions
1.	Explain why the following deuterated 1-bromo-2-methyleyclohexane
	undergoes deby dro halogenation by E2, mechanism to give only the molicated
	Product. Predict the products formed when they react with the Down they strong bases shown. a) H + Br + KOH - (Substitution & climination) CH2 CH3 CH2 CH3
2.	Predict the products formed when they react with the Dist
	a) H + Br + KOH -> (substitution & elimination) not observed H + CH3
	b) meso-1, 2-dib pomo-1, 2; diphenylethane + EtzN:
	(d, R) - 1,2-dibromo-1,2-diphenylethane + Etz N:
	d) Light + tout in tout
3.	The following compounds show different rates of debromination.
	One reacts quite fast, and the other seems not to beact at all.
	Explain the surprising difference in notes.
	Mez C Br KI, acetone Mez C Mez C
	Meg C "" Bo acetone No min
4.	Propose mechanism for the following reaction
	a) $\frac{H_2SO_4}{4}$ +
	Predict products of the following eliminations of vicinal dibromides with KI.
5.	Predict products of the following eliminations of vicinal dibromides
	(a) $(B_r \ B_r \$
6.	give a mechanism to explain the formation of the formation
	Give a mechanism to explain the formation of the following Product. Explain the failure to form Zait ser product.