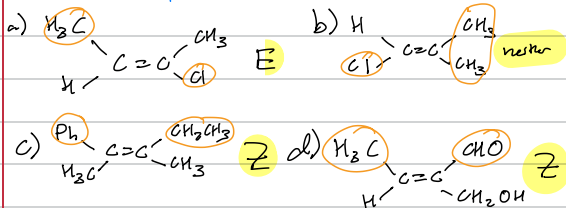


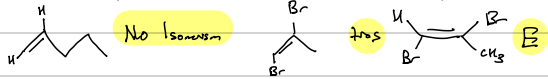
Ch7 HW - 7-41; 7-42a, e, f; 7-47; 7-49a; 7-50c, e; 7-51e; 7-52c, d; 7-54c; 7-55a, d, f; 7-58; 7-61b; 7-62b; 7-65; 7-68

7-41 $H_0: \mu = 20$ since Z , different = E

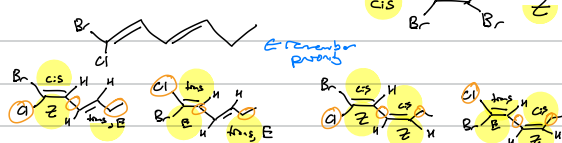


↙ watch for multiple double bonds

7-42 a) pent-1-ene c) 1,2-dibromopropene

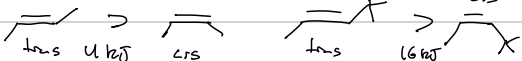


f) 1-bromo-1-chlorohexa-1,3-diene and



7-47 but -2 are

4,4-dimethylpent-2-ene

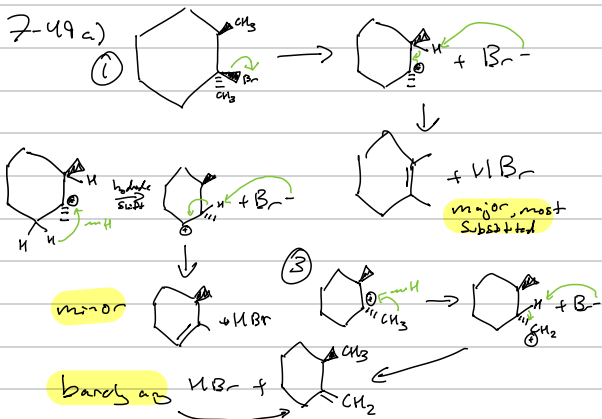


1. 44-clinical part-2 case, to t-bat, group cases

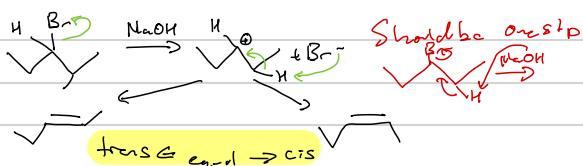
a strong structure which greatly decreases stability.

the lens costs plus the gap further from the net!

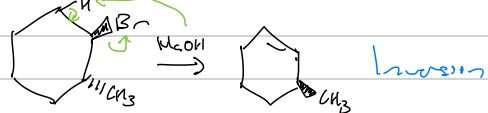
So stability is drastically increases and energy lowered



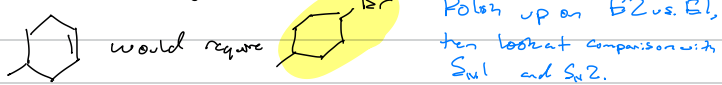
7-50W 3-bromopentane



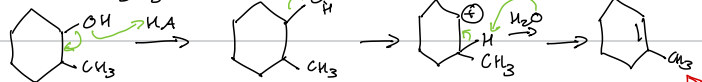
e) trans-1-bromo-2-nitrohexane



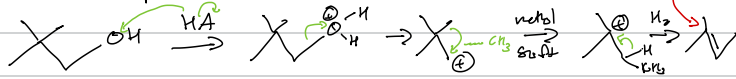
7-slc) 4- methyl cyclo hexane



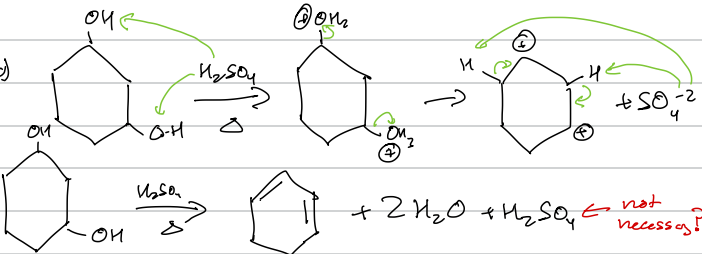
7-52c) 2-methylcyclohexanol



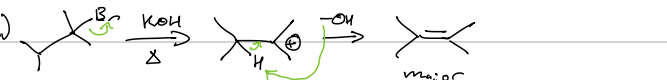
d) 2,2-dimethylpropan-1-ol



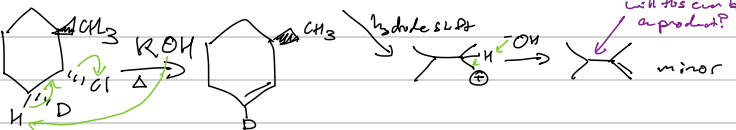
7540)



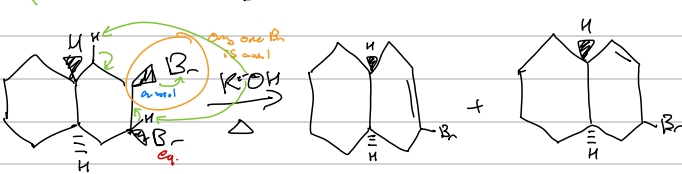
7-55a



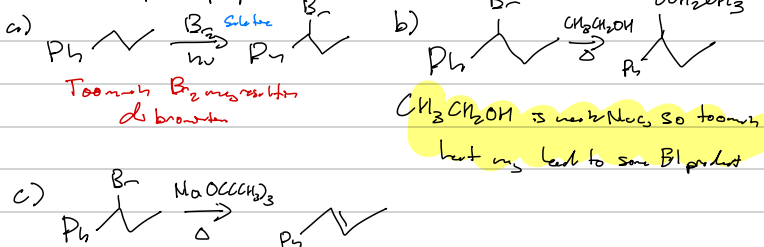
d)



2)

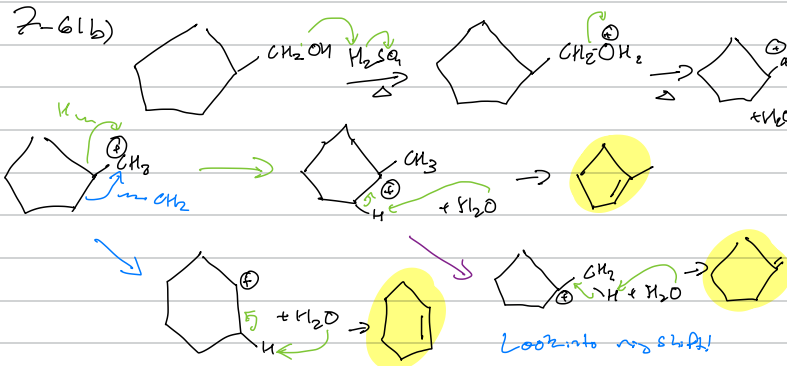


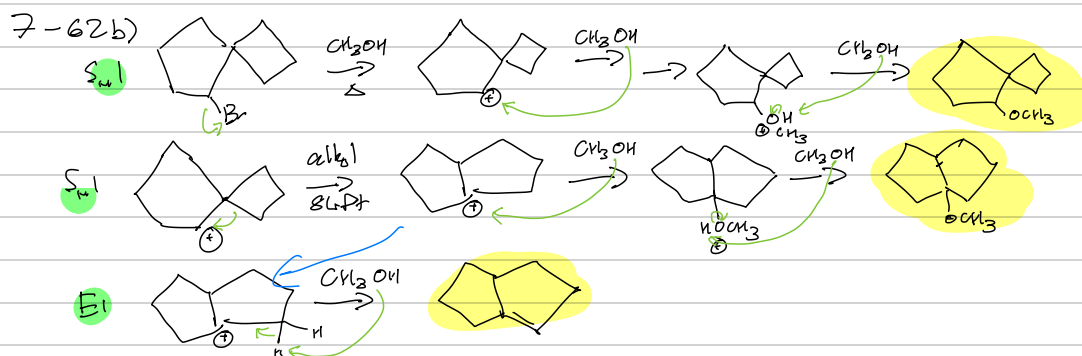
758 1-phenol propane



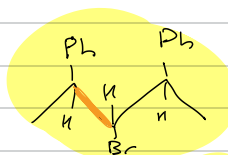
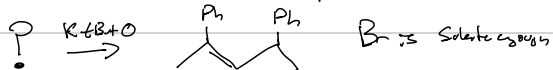
Ess. Low P_{arr} , as KOH is not used $\rightarrow S_{\text{K}2}$

7-61b)

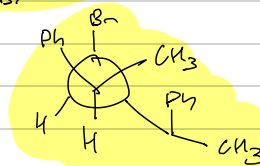
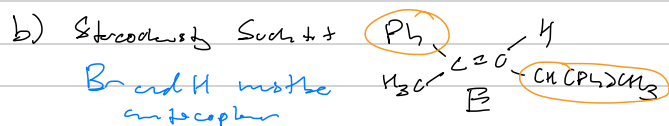




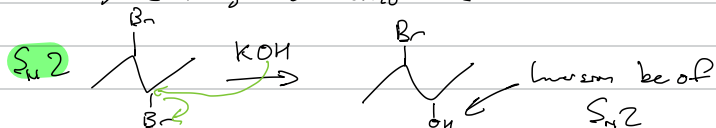
7-65a) Form only 2,4-diphenylpent-2-ene



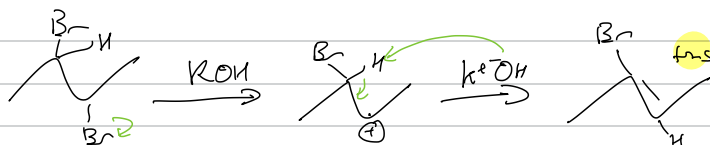
Relationship on "reverse synthesis" and stereocenter of reagents/products



7-68) (±)-2,3-dibromobutane



Inversion on chiral C results in the diastereomer



H and Br must be anti coplanar so trans class is productive