Today

Next Class

Sections 6.12 and 6.13 Regioselectivity, stereoselectivity, and stereospecificity

Sections 6.12 and 6.13 Regioselectivity, stereoselectivity, and stereospecificity

Reworked Test originally due Wednesday. Due Monday instead since Wednesday is a half day.





duesn't

Section not sterelective









apposinately 50/50 2-chloro vs 4-chloro

not regioselecture stareoselec tive also not

Section 6.13 The stereochemical outcome of H+ initiated Electrophilic Addition reactions top Side CIO Intrant back H-Cl Ð botton Front face there is an empty Front of postital on 15 10 pised ... back tack screens perpendicular behind the screens floo -1 Ct's generated by H' addition are planar and allow for both ... the scheen additions - E+ Au add to the same face of 3yn the db and antiaddition - E+Na add to opposite takes



Reactions (predict major products)

4







× cannot Form From Sontion Biz Uz Addition of bromine and chlorine occur by an anti addition Section 6.13 XXX $\xrightarrow{X_2}$ X is blocking the Front Face F 50 X comes in Fron behind r v€ (HO _____ $\begin{array}{c} X_2 \\ H_2O \end{array}$ OH HO (X 1) Nu fle other set one set of shows stareospecific - mechanism is that addition occurs in an anti fashion + the alkene has Z/E isomerism

Reactions (predict major products)

Section

anh

Br Br Br Br ຈັ E 1111 HON НО HO HO Br_2 30 H₂O Â B Br Br Br Br ß Nu 1111 HON но но НŌ Syn addition detrahedral C cannot hove 3 inplane bonds <u>7</u>/ Br⊕ OHz HZO







1 stereoisomeric produces i set of stereoisomeric products

the other storeousomeric reactant produces the other set of products







