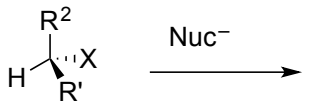
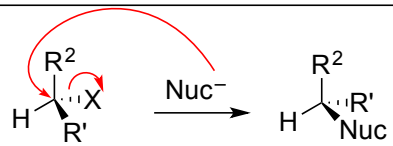
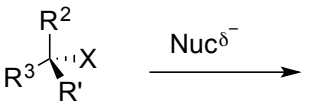


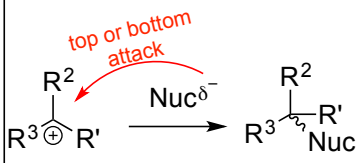


S_N2

X = Br, Cl, I, OTs, OMs, OTf

Nuc⁻ = Items in notes/Table 7.1

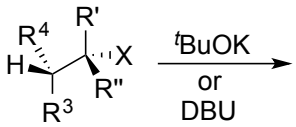




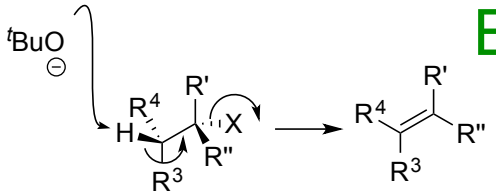
S_N1

X = Br, Cl, I, OTs, OMs, OTf

$Nuc^{\delta-}$ = weak Nuc⁻ like H_2O

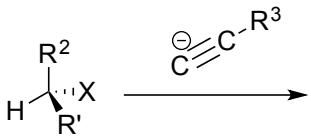


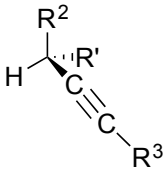
E2



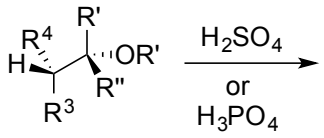
antiperiplaner

most sub. d.b. and trans (where possible)

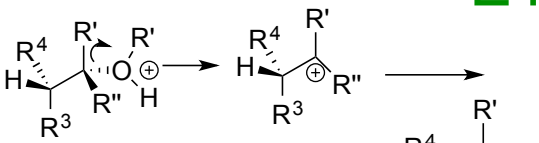




S_N2

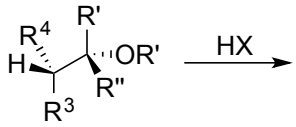


E1

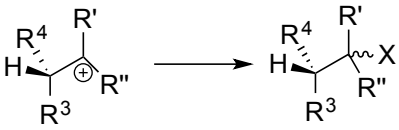


most sub. d.b. and ALWAYS trans

Works on alcohols or ethers



S_N1

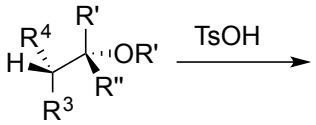


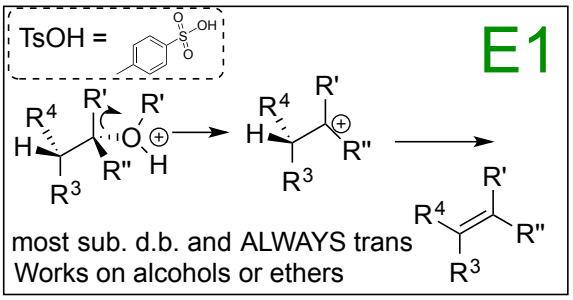
or

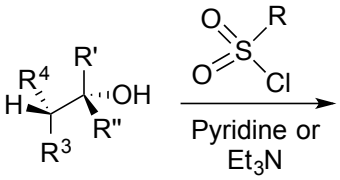
S_N2 on 1° OR'

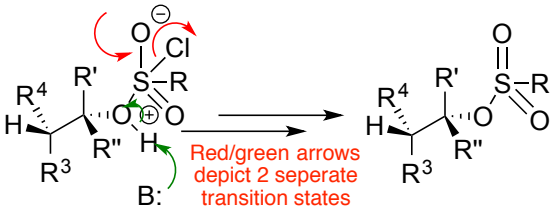
HX = HBr, HCl, HI

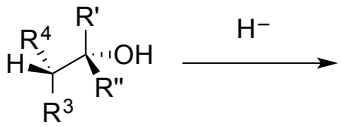
Works on alcohols or ethers

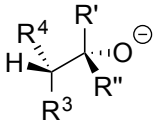

TsOH

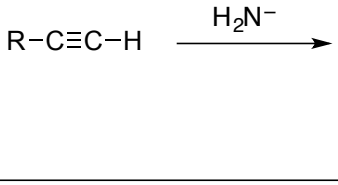

TsOH =
E1
most sub. d.b. and ALWAYS trans
Works on alcohols or ethers

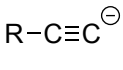

Pyridine or
Et3N


B:
Red/green arrows
depict 2 seperate
transition states


H−




R−C≡C−H
H2N−


R−C≡C
Also H−