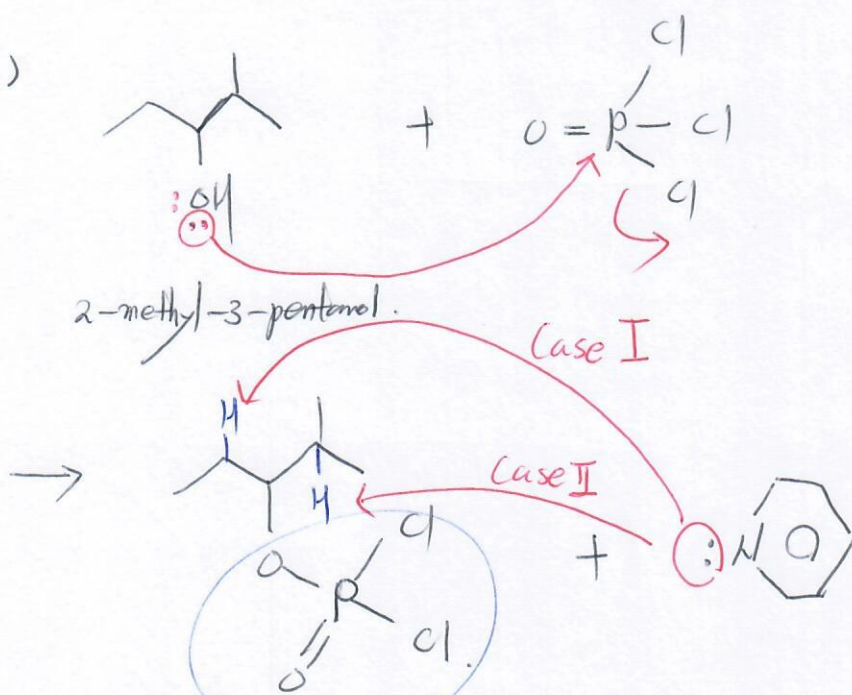


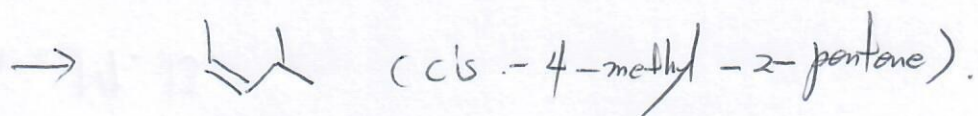
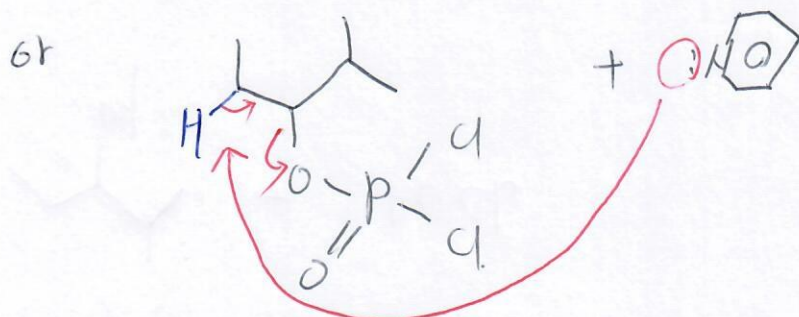
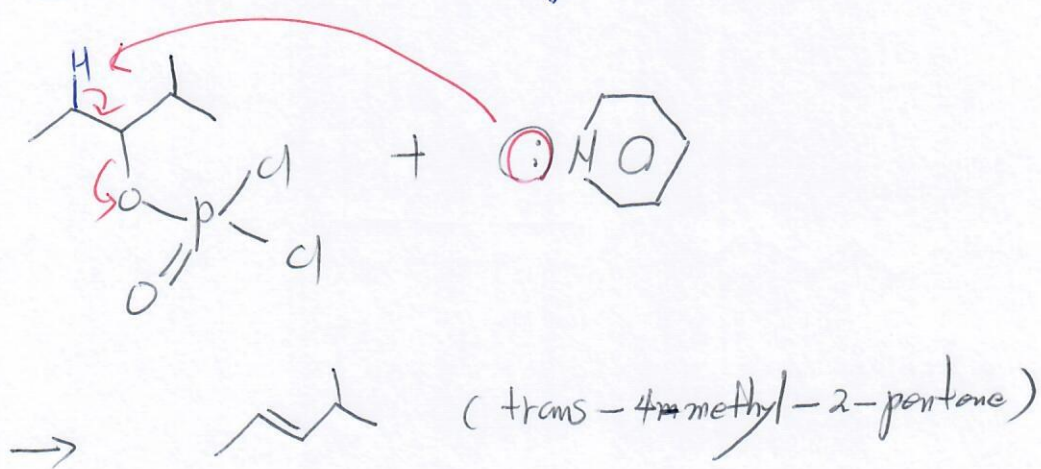
problem 17.13.-1

(a)



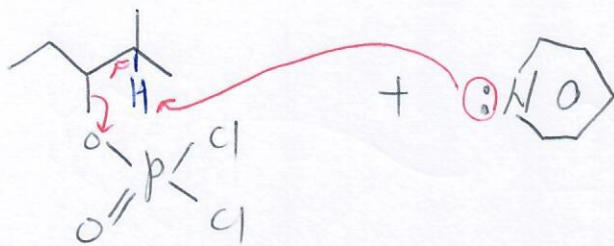
Case I

Good leaving group. E2 rxn.



problem 17.13-2

Case II

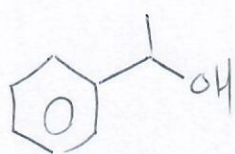


4-methyl-3-pentene

Major product according to Zaisel's rule.

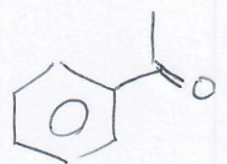
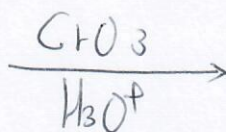
Problem 17.14

(a)



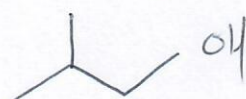
Secondary alcohol.

1-phenylethanol



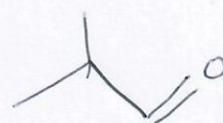
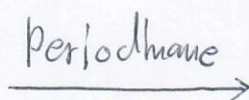
acetophenone

(b)

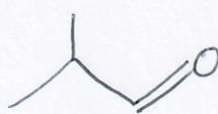
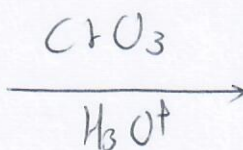
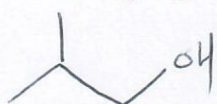


Primary alcohol

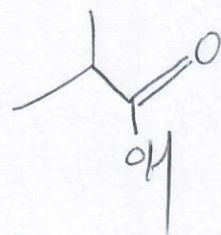
2-methylpropanol



isobutyraldehyde

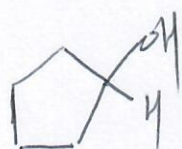


very fast.

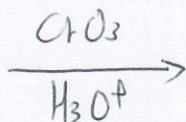


isobutyric acid

(c)



~~cyclopentane~~
cyclopentanol



~~cyclopentane~~
cyclopentanone

problem 17.15.

