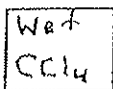
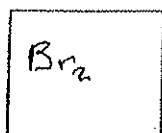
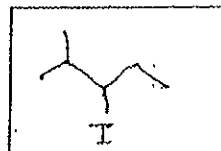
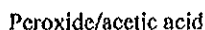


1-bromo-2-methylbutane

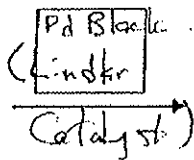
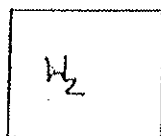
2-methyl-2-pentene +



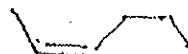
3-bromo-2-methyl-2-pentanol

CC(C)=CC
$$\text{2-methyl-2-pentene} + \text{HCl}$$


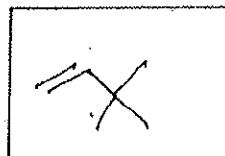
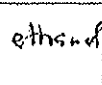
ant: Mark.
add.



Z-only 2-hexene



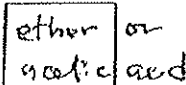
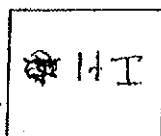
3,3-dimethyl-2-bromobutane + OH⁻



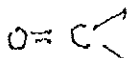
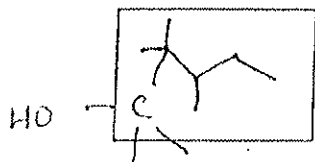
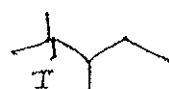
only

CC(C)C

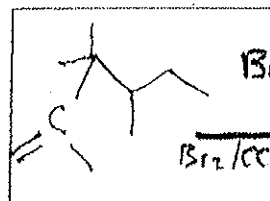
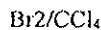
2,3-dimethyl-1-pentene+



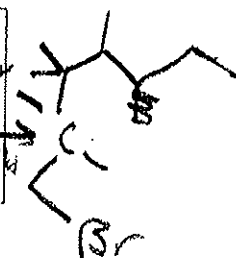
2,3-dimethyl-2-iodopentane



Acetone in dry ether

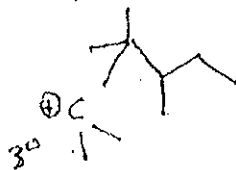
Phosphoric
acid/reflux

dehydrator



6 rearrange

4 no rearrangement



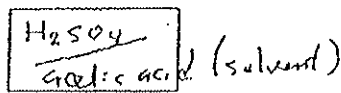
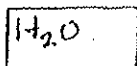
~~SECRET~~

no higher degree carbocation
So no rearrangement

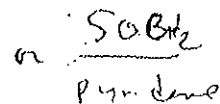
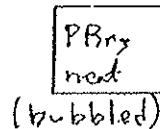
exercise 18 (continued)

7)

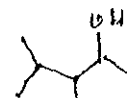
2-methylpropene +



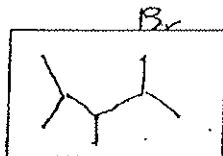
2-methyl-2-propanol



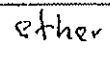
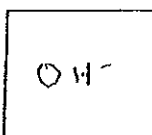
2-methyl-2-bromopropane



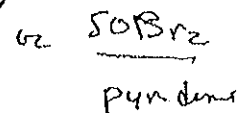
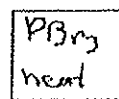
8)



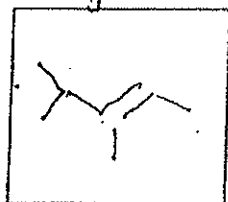
+



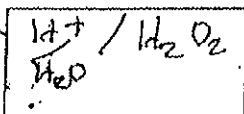
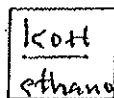
3,4-dimethyl-2-pentanol



major



+ 3,4-dimethyl-1-pentene
(minor)

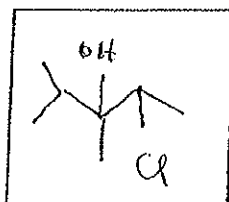
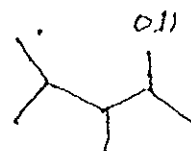


ant. add. of H_2O-H

Cl_2 in wet CCl_4

Conc
sulfuric
acid

3,4-dimethyl-2-pentanol
(where it all began...)



then H_2O

