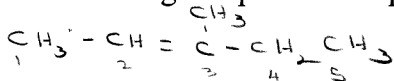
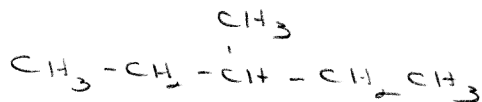


Additional Chapter 8: "Alkenes: Reactions" Worksheet

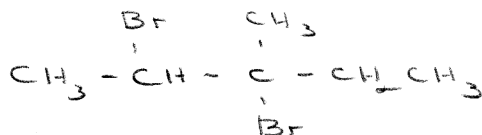
Give the structures and of the chief organic products expected from the reaction of 3-methyl-2-pentene with:



H₂, Pt

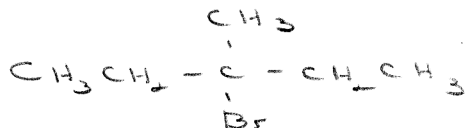


Br₂/CCl₄



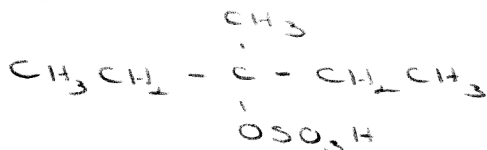
"Anti"

HBr



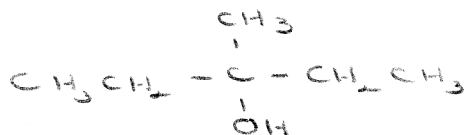
"Mark"

H₂SO₄



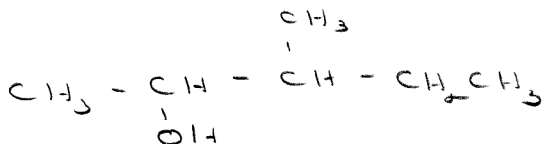
"Mark"

H₂O, Hg(OAc)₂; then NaBH₄



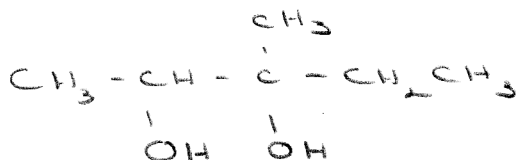
"Mark"

(BH₃)₂; then H₂O₂, OH⁻

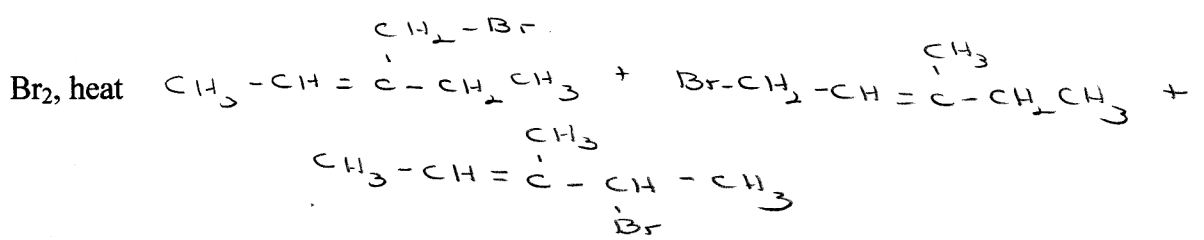


"Anti - Mark"

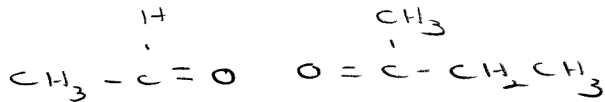
KMnO₄



"Syn"



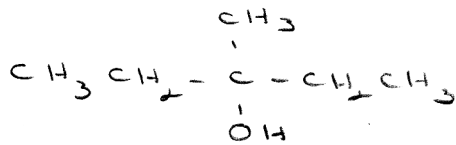
O₃; then Zn/H₂O



KMnO₄, heat

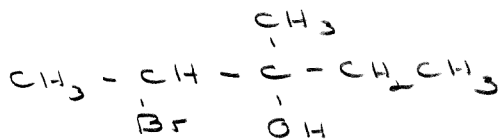


H₂O, H⁺



"Mark"

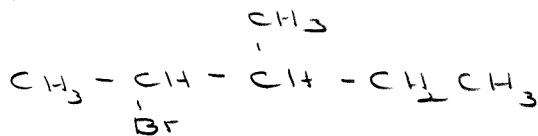
Br₂(aq)



"Br" as electrophile

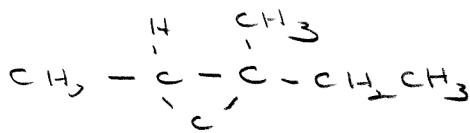
"Mark"

HBr, peroxides

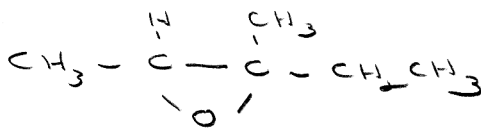


"Anti-Mark"

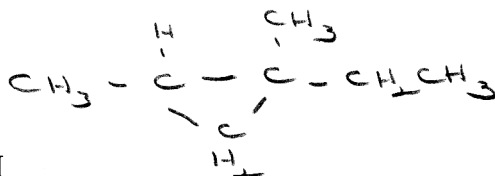
CH₂N₂, hv



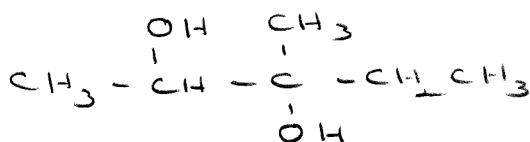
PBA



CH₂CO, hv



HCO₃H



"Anti:"