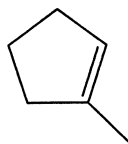


Additional Chapter 13: "Alicyclics" Worksheet

Give the structure of the chief organic product(s) expected from the reaction of methylcyclopentene.



H₂/Pt

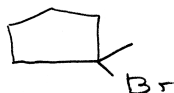


Br₂/CCl₄



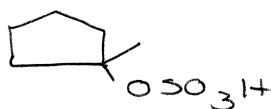
"Anti"

HBr



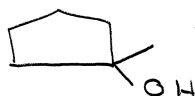
"Mark"

H₂SO₄



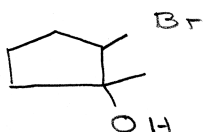
"Mark"

H₂O, H⁺



"Mark"

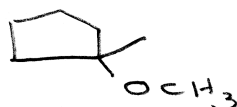
Br₂(aqu)



"Br" as electrophile

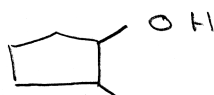
CH₃OH, Hg(OAc)₂; Then NaBH₄

instead
of H₂O



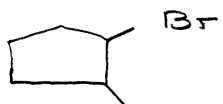
"Mark"

(BH₃)₂; Then H₂O₂, NaOH



"Anti-Mark"

HBr, Peroxides



"Anti-Mark"

CH₂CO, hv



H₂O, Hg(OAc)₂; Then NaBH₄



"Mark"

CH₂N₂, hv

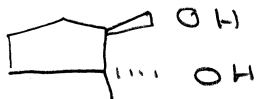


KMnO₄



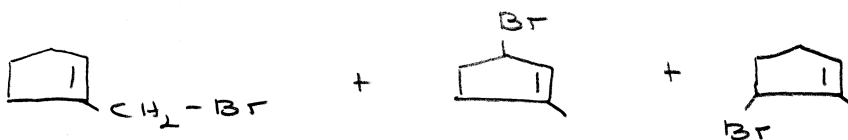
"Syn"

HCO₃H



"Anti"

Br₂/Δ

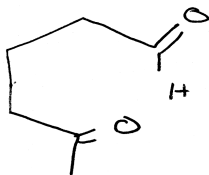


"Allylic"

PBA



O₃; Then H₂O, Zn



KMnO₄, Δ

