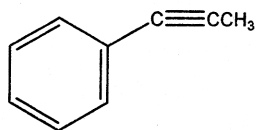
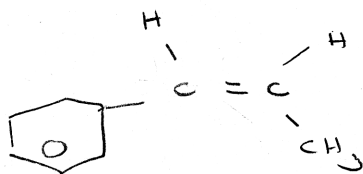


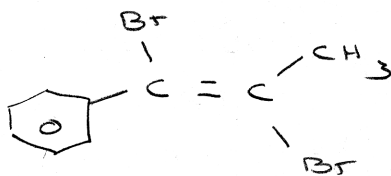
Give the structure of the chief organic product(s) expected from the reaction of 3-phenyl-2-propyne.



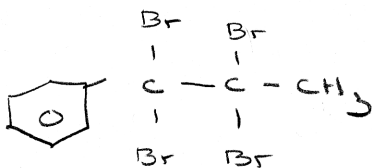
H₂/Pd-C



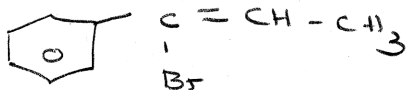
Br₂



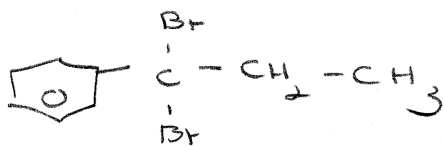
2 Br₂



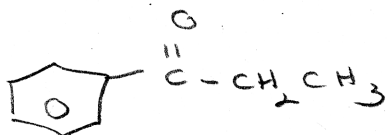
HBr



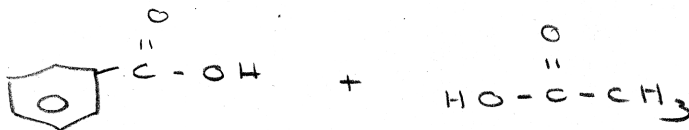
2 HBr



H₂O, H⁺



KMnO₄



Na

N.R.

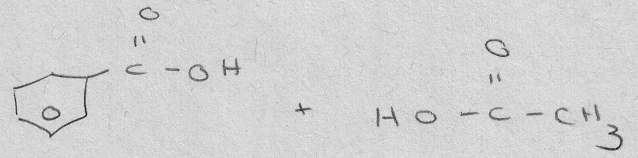
Terminal ONLY 0

Ag⁺

N.R.

Terminal ONLY

O₃; Then H₂O, Zn



KMnO₄, Δ



XS H₂, Ni, Δ, Pressure

