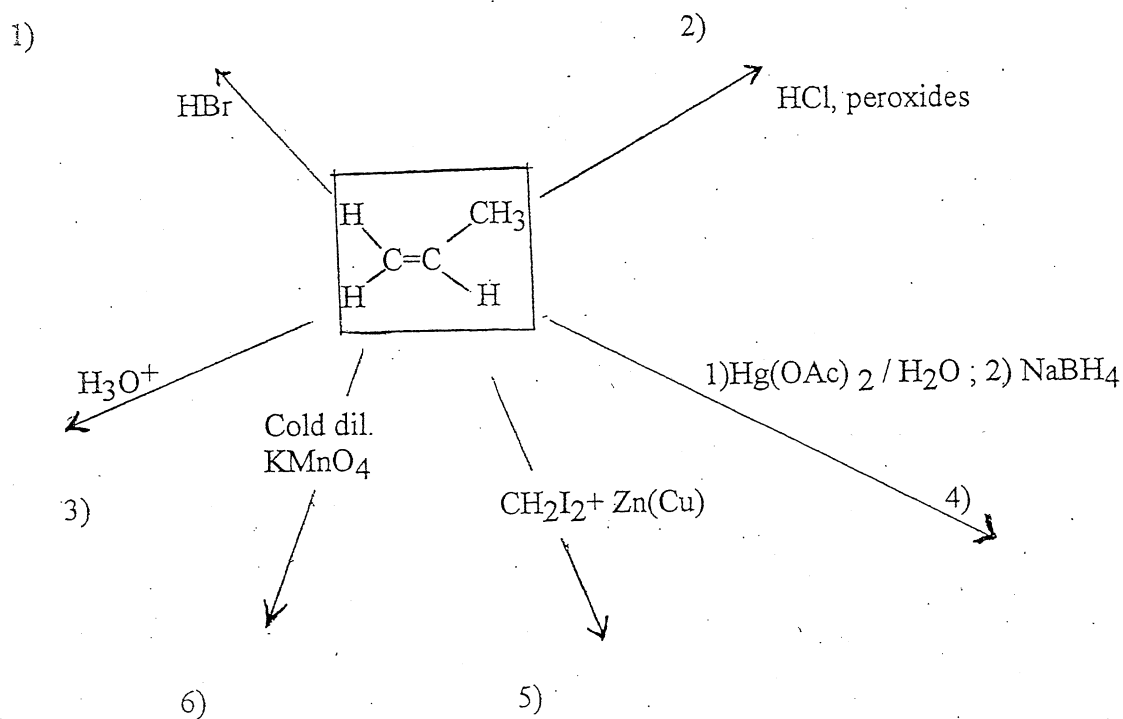
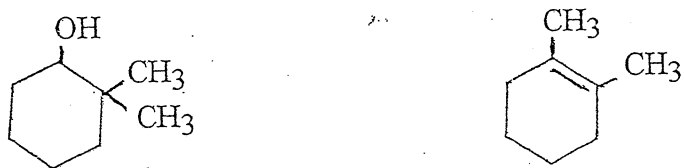


Give the structures of the major products corresponding to each number (1-6) shown below:



Heating the alcohol shown below with aqueous acid gives the alkene shown.



Give a detailed mechanism to account for this product formation.