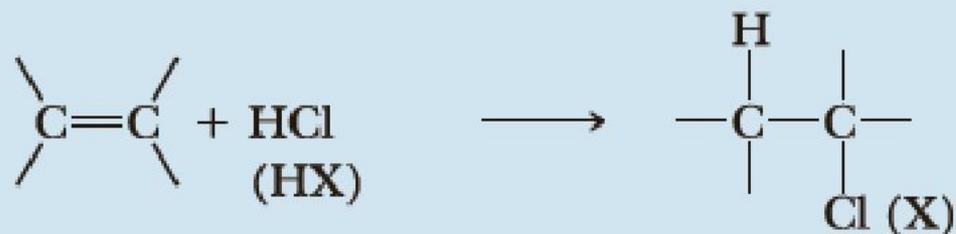
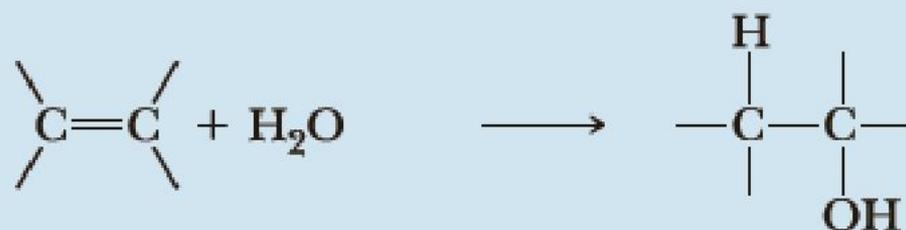


Алкены-2

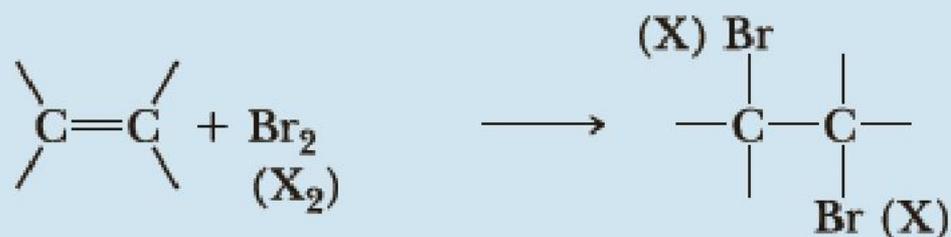
(электрофильные реакции)



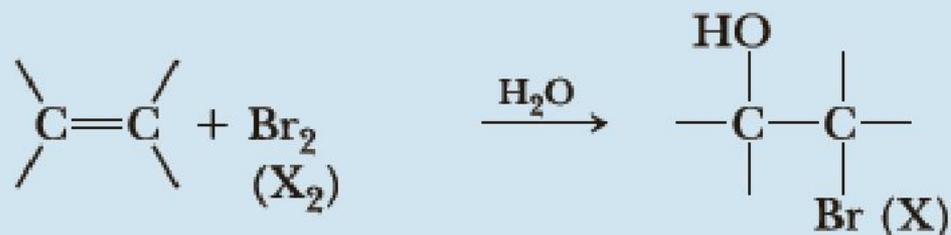
**Hydrochlorination
(hydrohalogenation)**



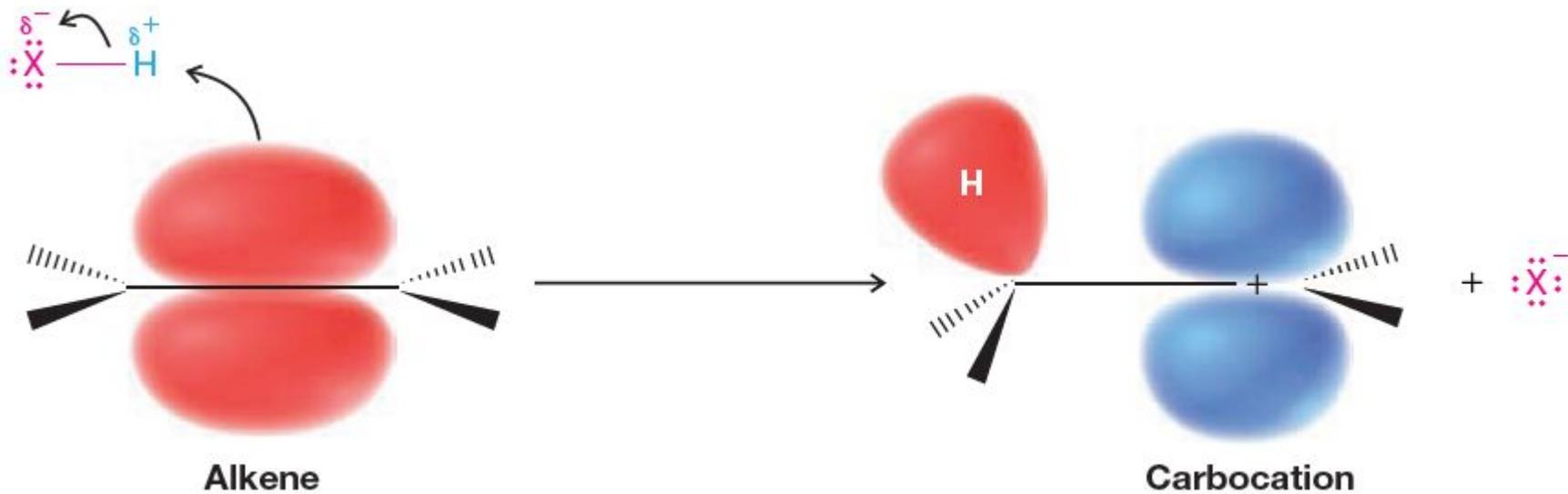
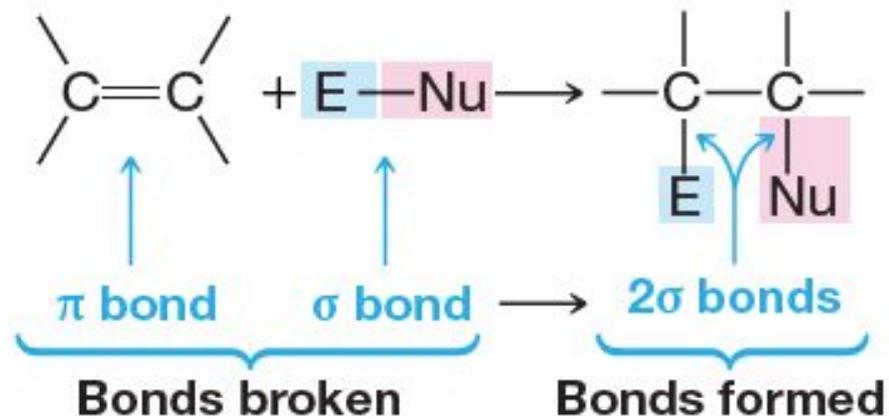
Hydration

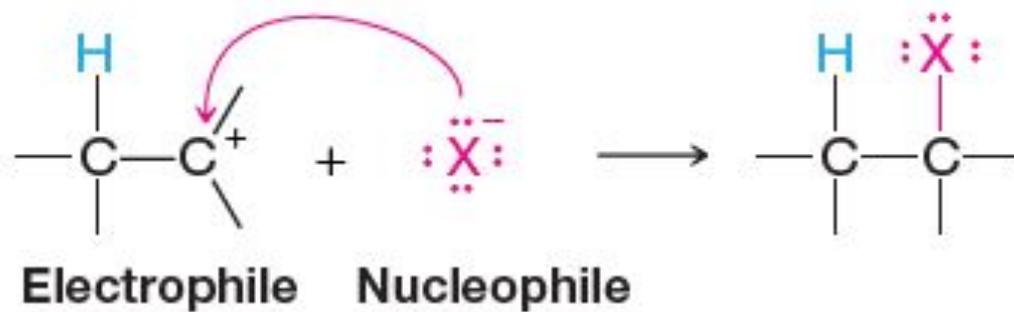
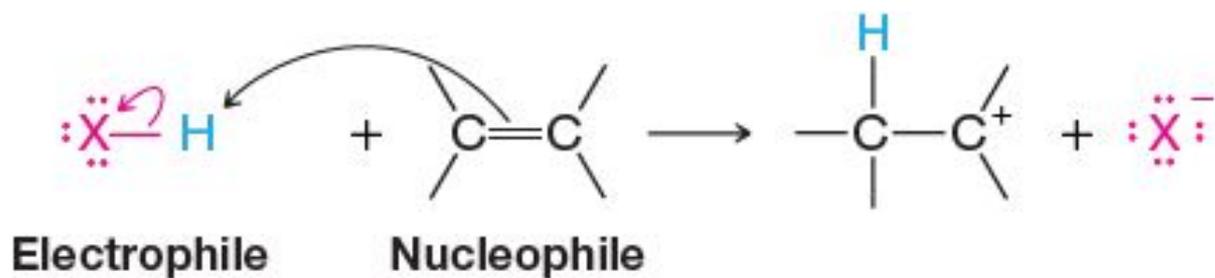
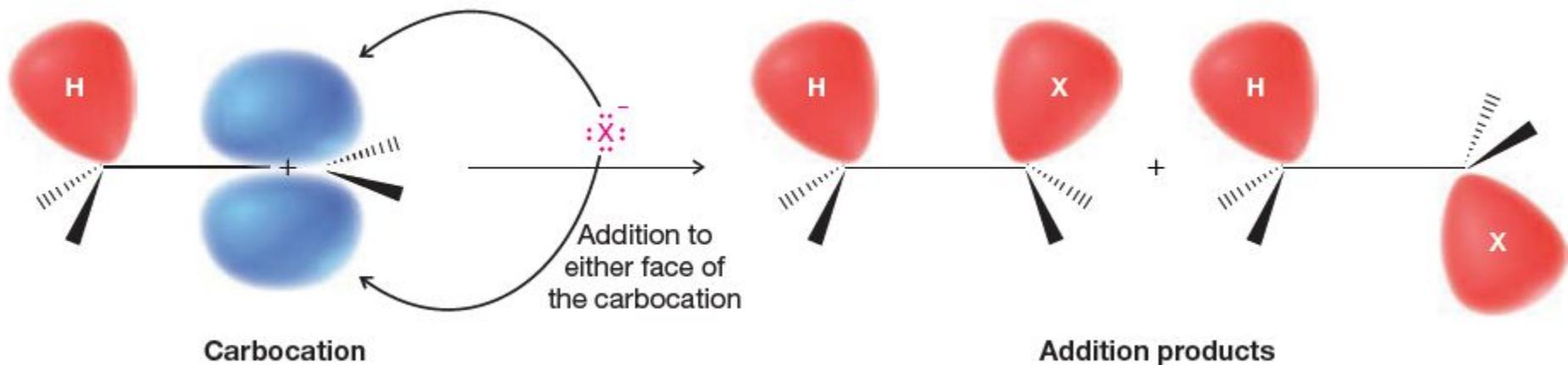


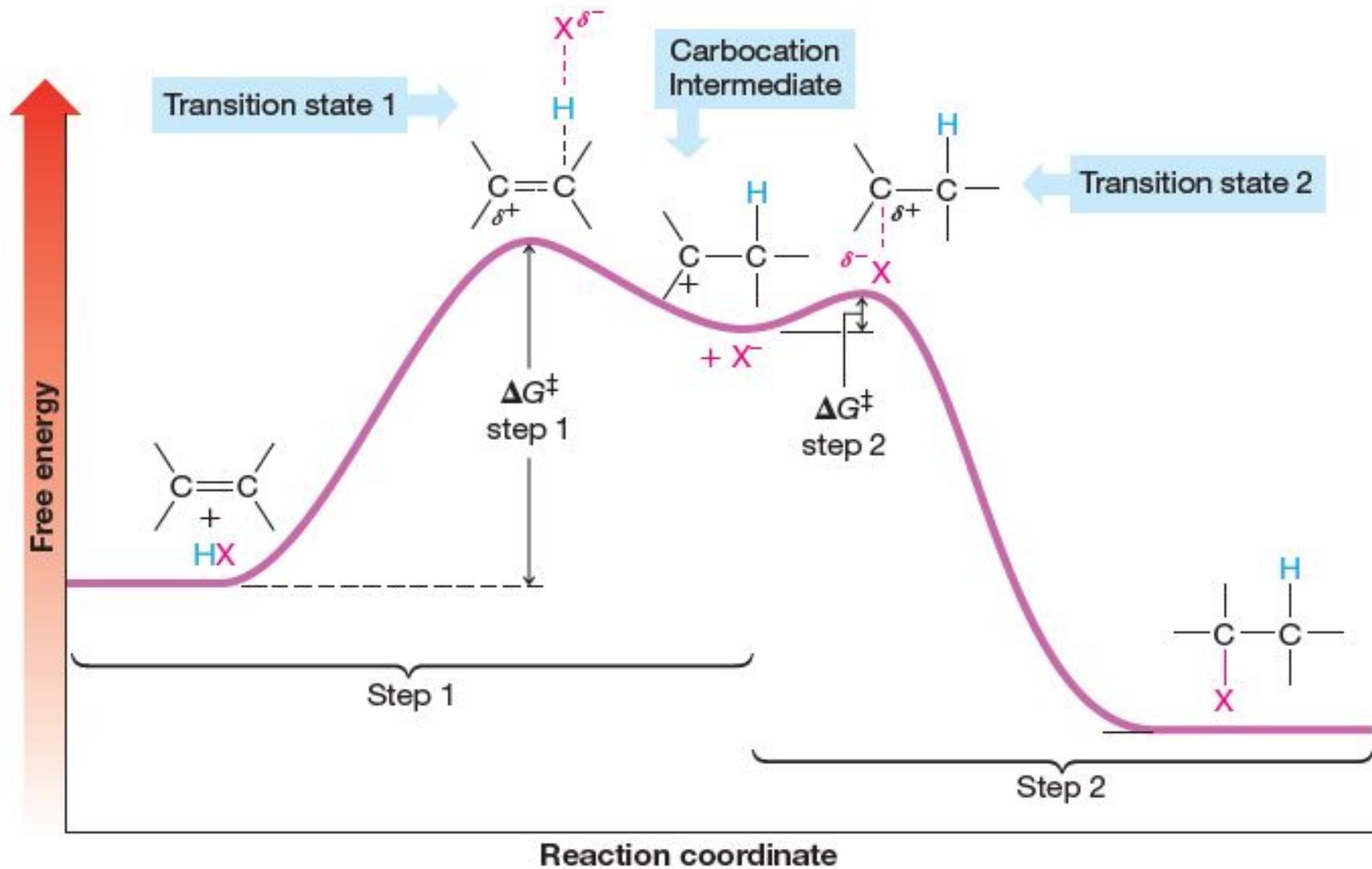
**Bromination
(halogenation)**



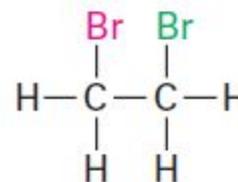
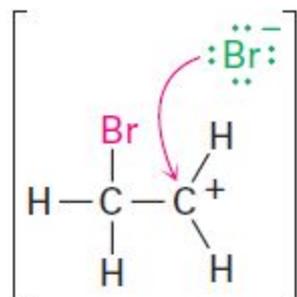
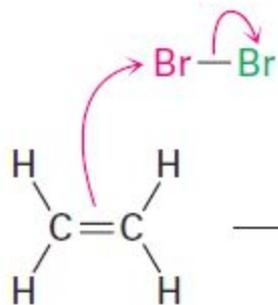
**Bromo(halo)hydrin
formation**







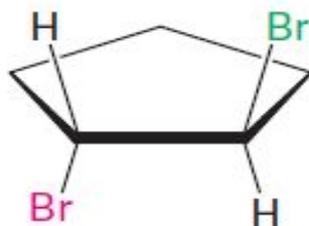
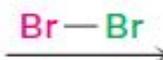
Possible mechanism?



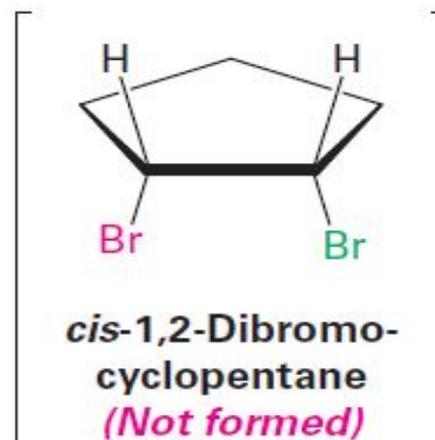
Possible mechanism?



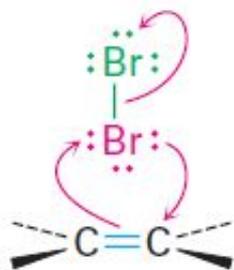
Cyclopentene



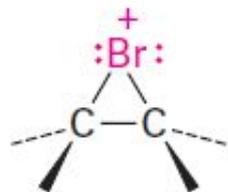
trans-1,2-Dibromocyclopentane
(sole product)



cis-1,2-Dibromocyclopentane
(Not formed)

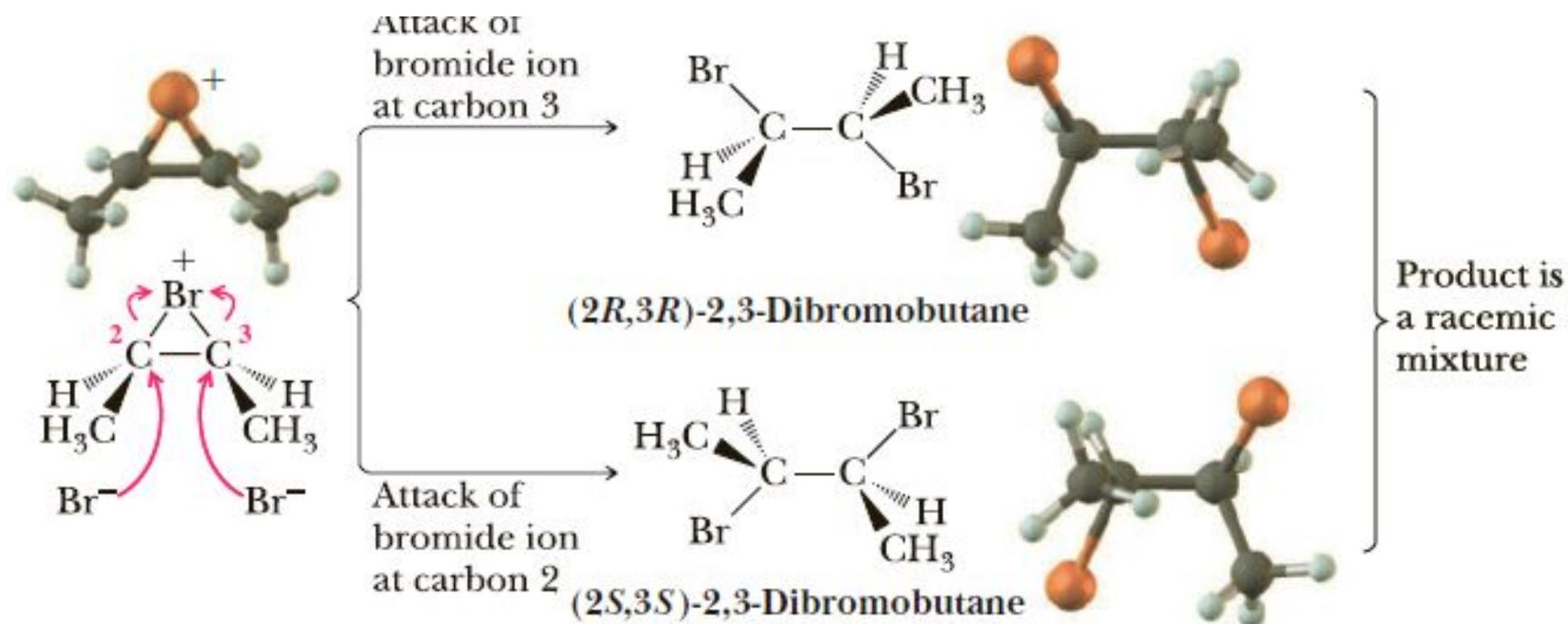
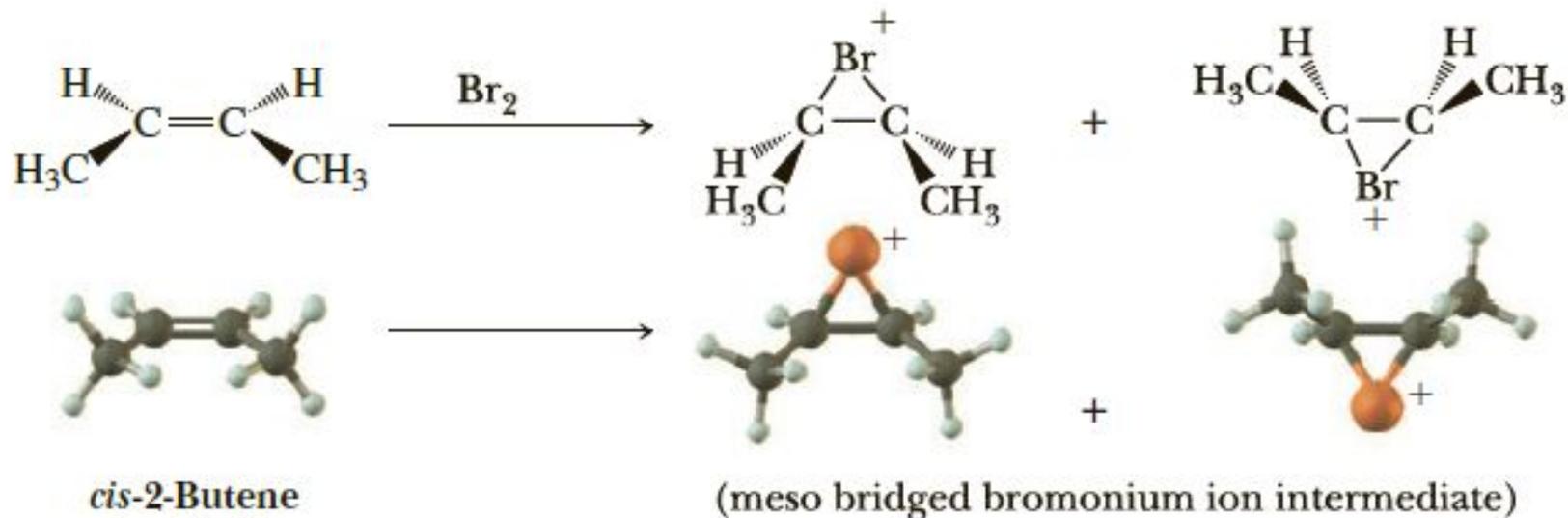


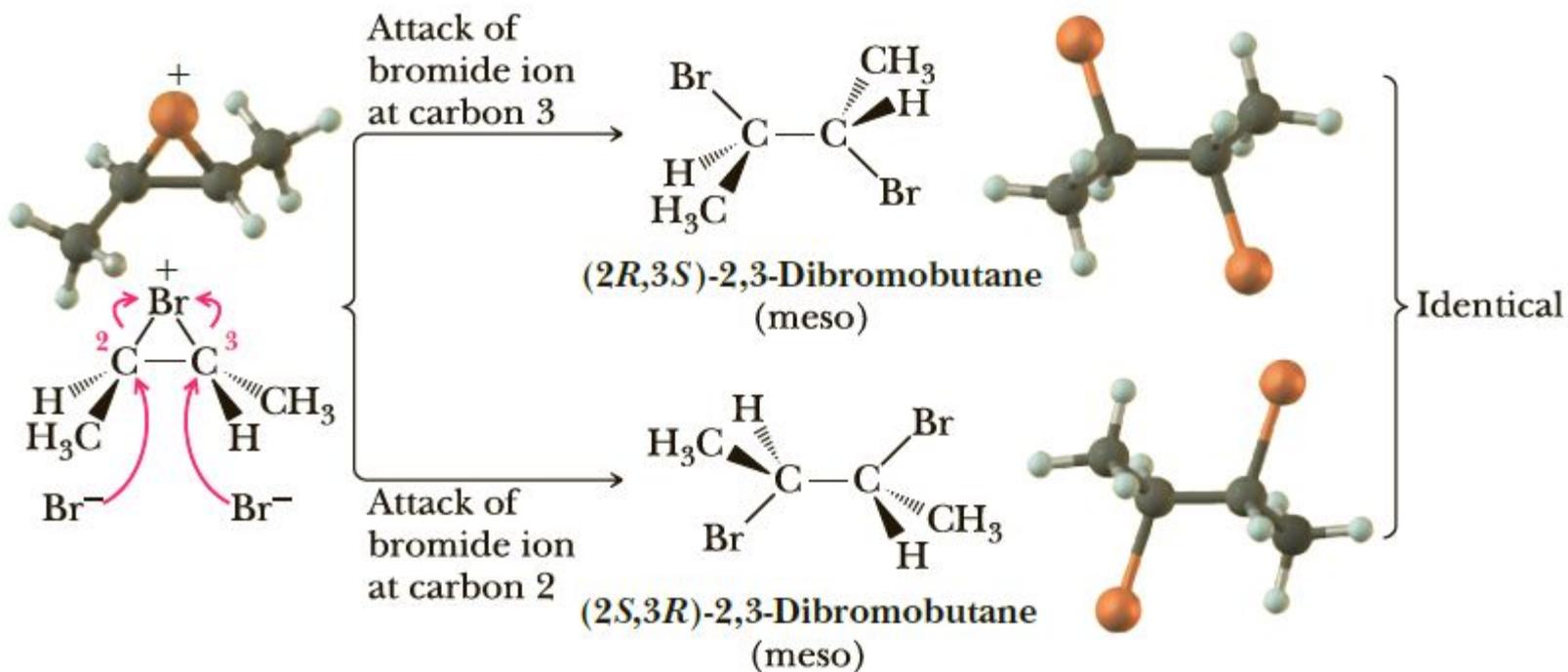
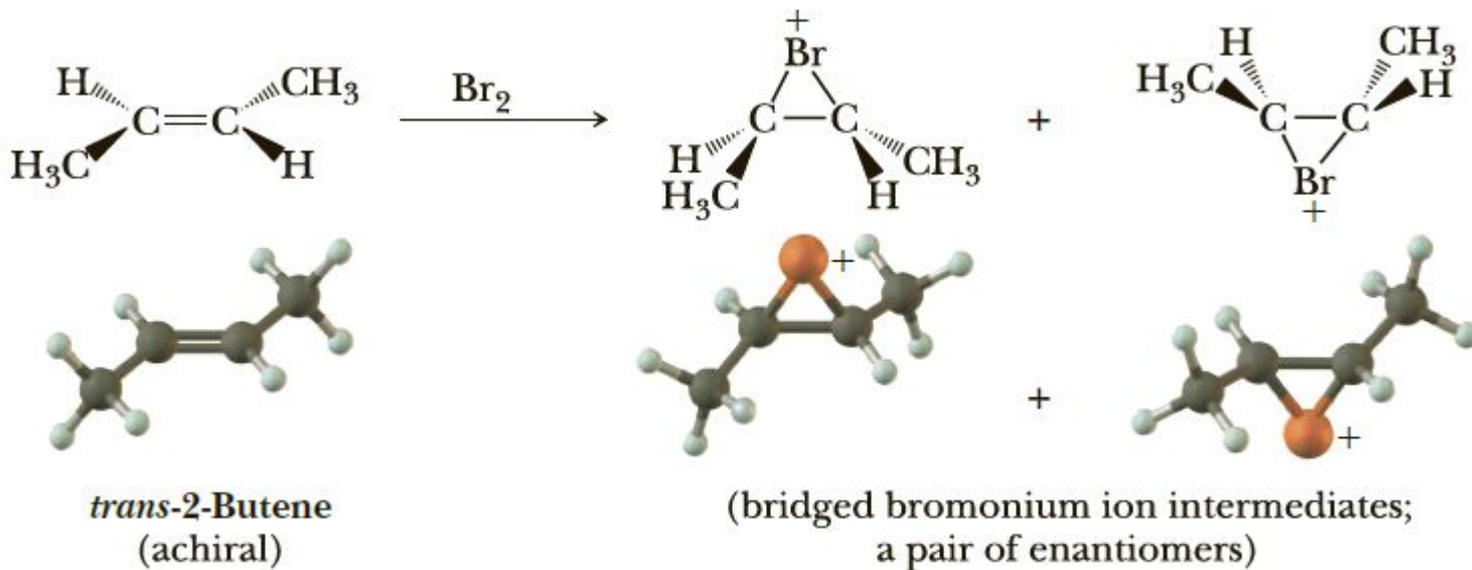
An alkene

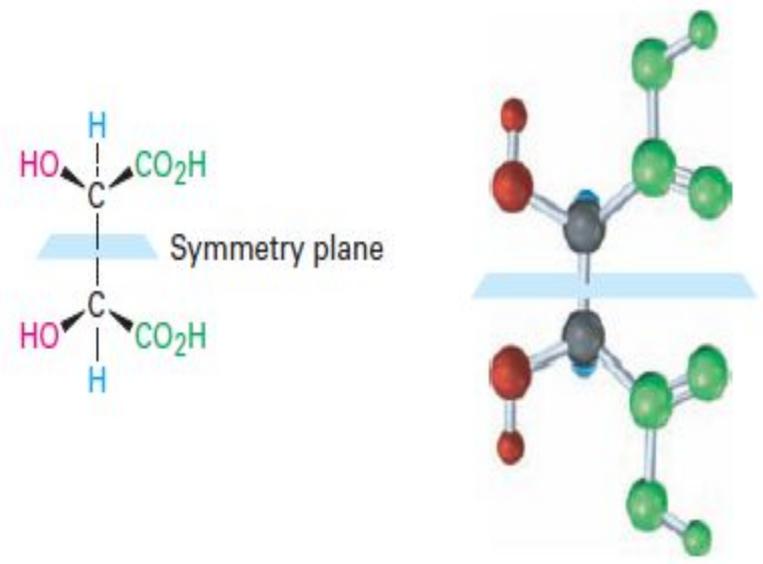
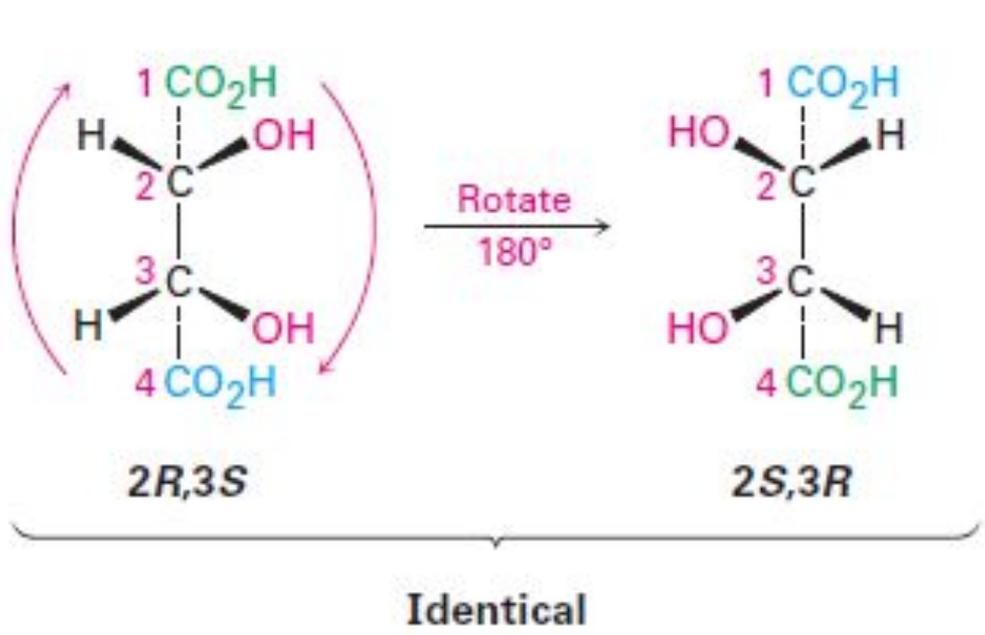
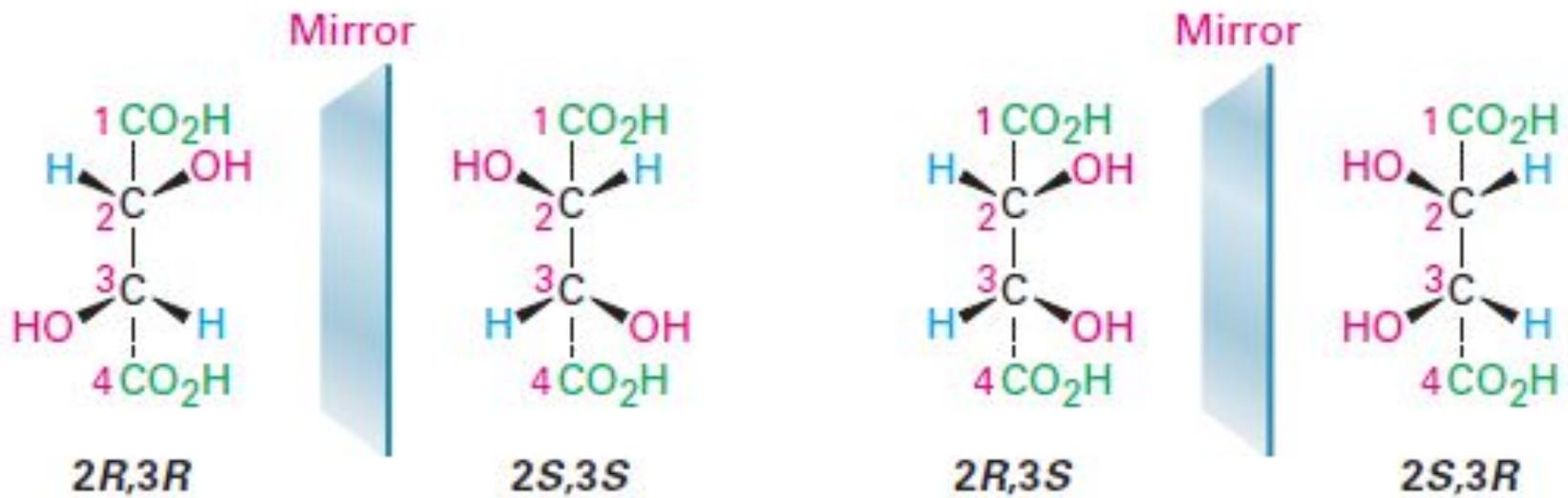


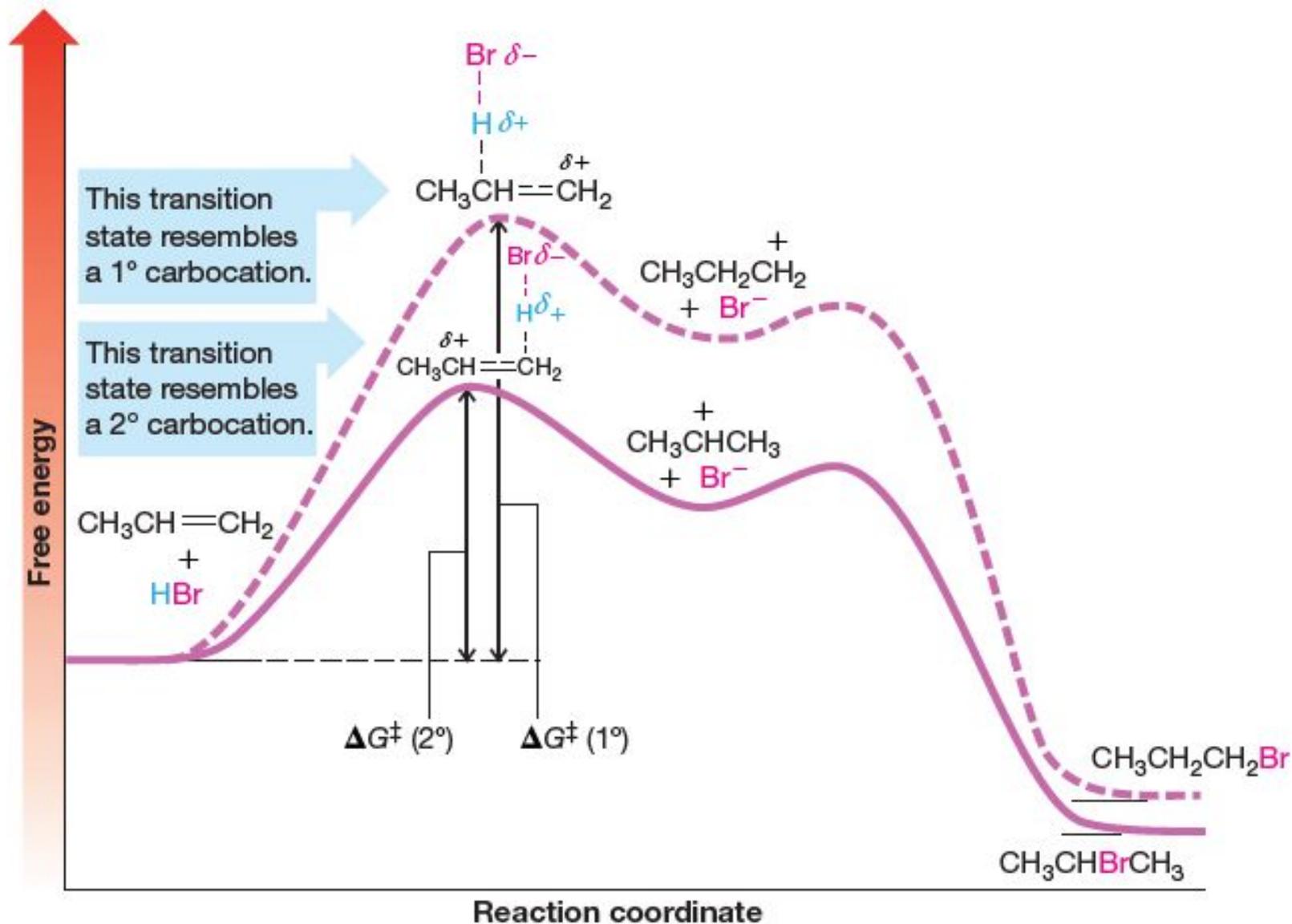
A bromonium ion

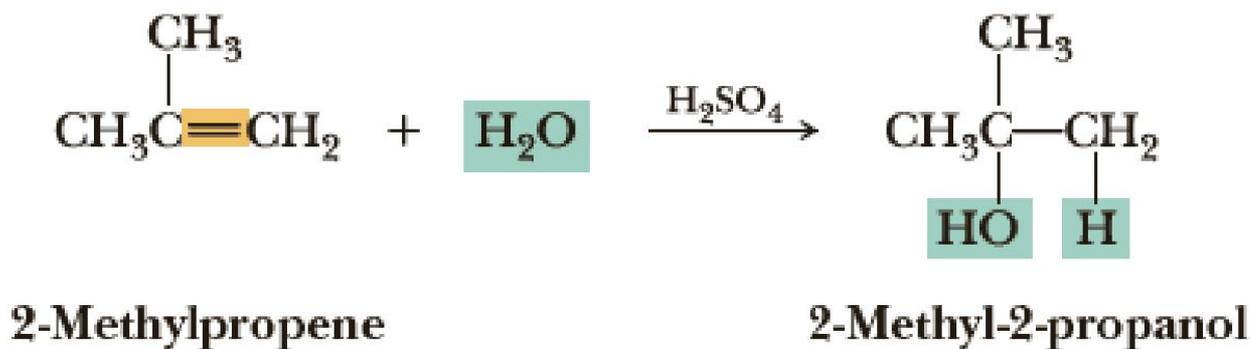
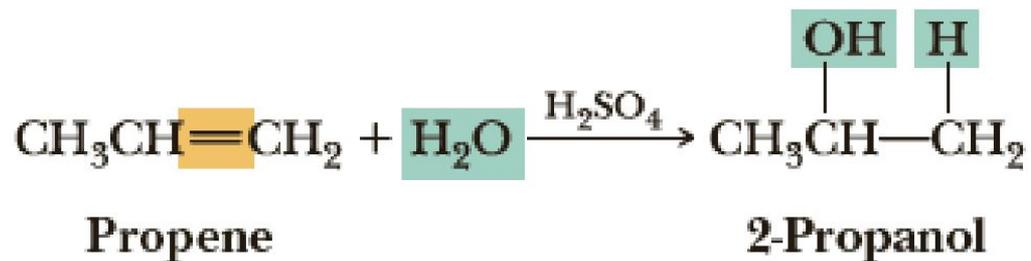


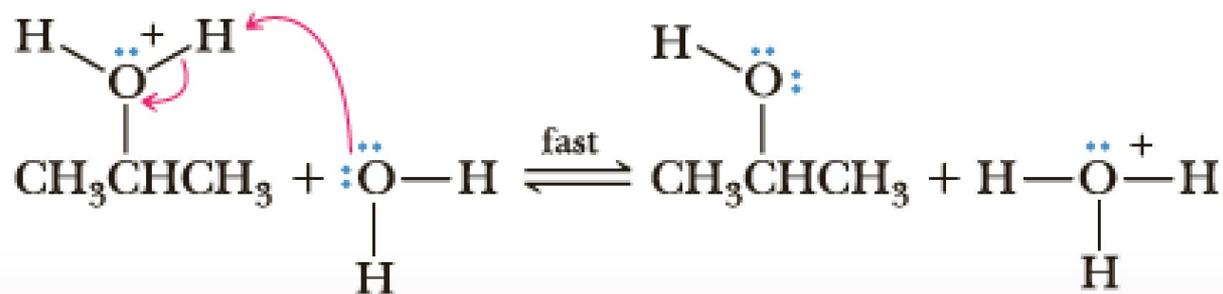
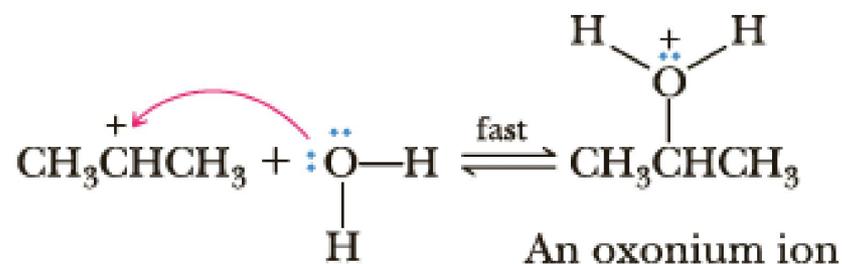
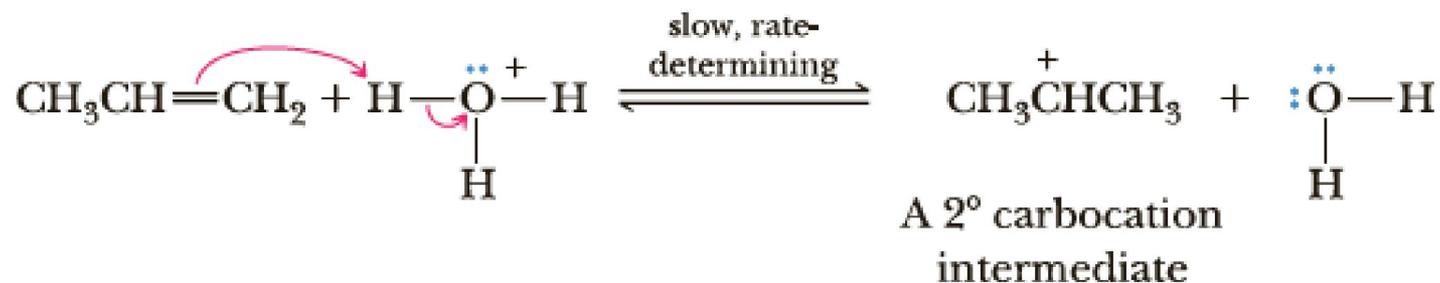


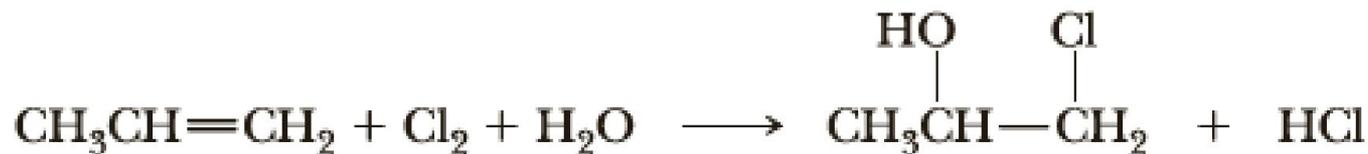






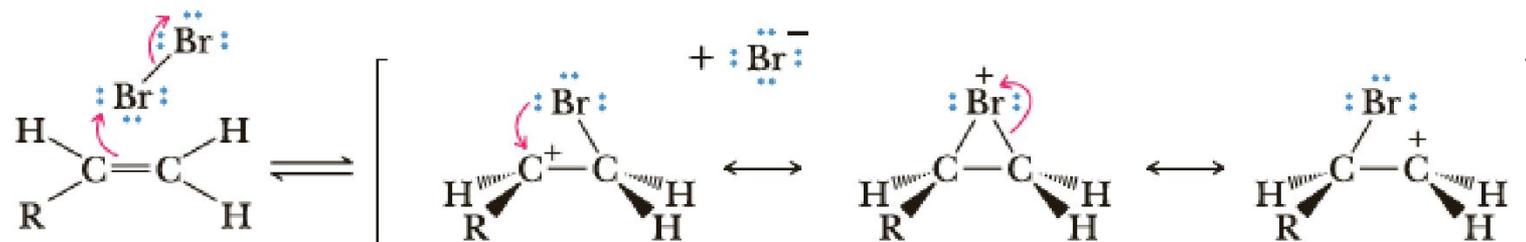






Propene

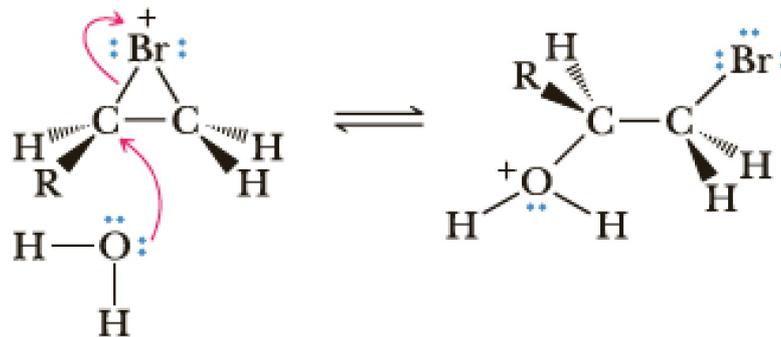
1-Chloro-2-propanol
(a chlorohydrin)
(a racemic mixture)

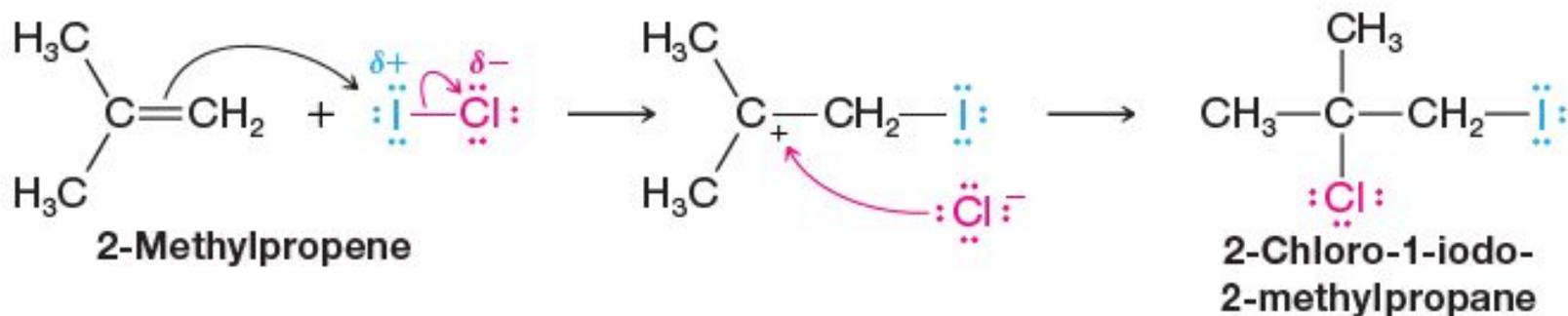


this carbocation
is a major
contributing structure

the bridged
bromonium ion plays
an important role

this structure
plays little role

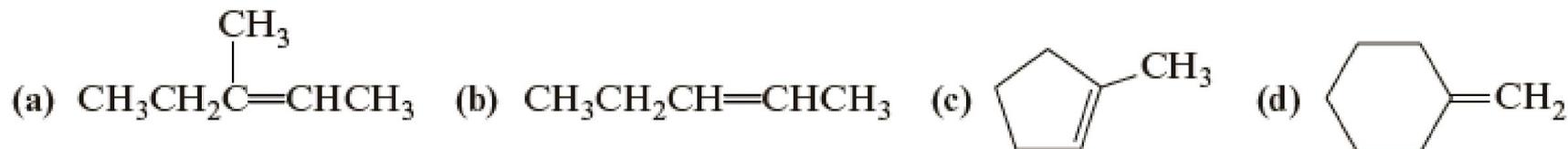




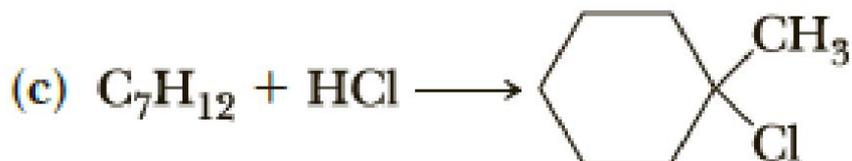
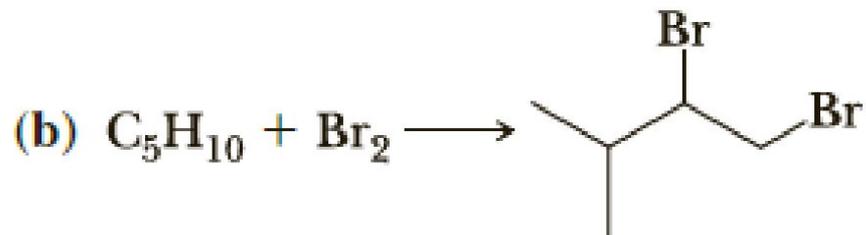
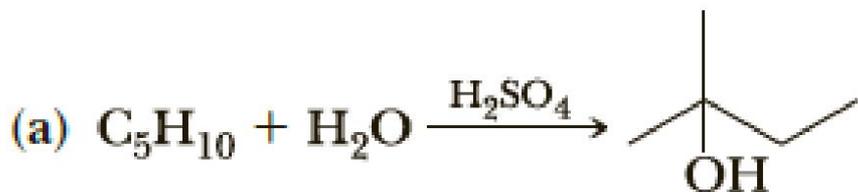
Write mechanisms for the following addition reactions:



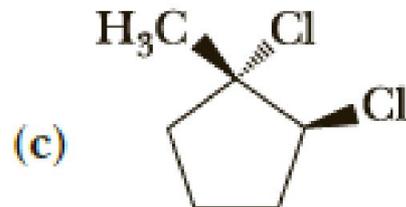
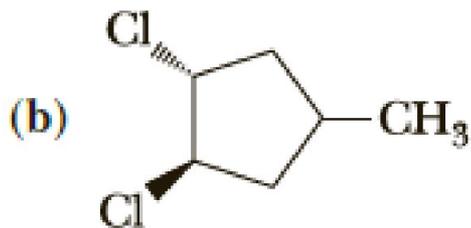
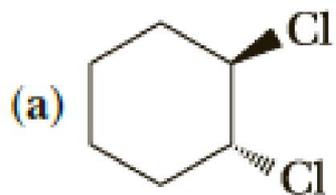
Написать реакции с: бромом, бромоводородом, водой, HOCl

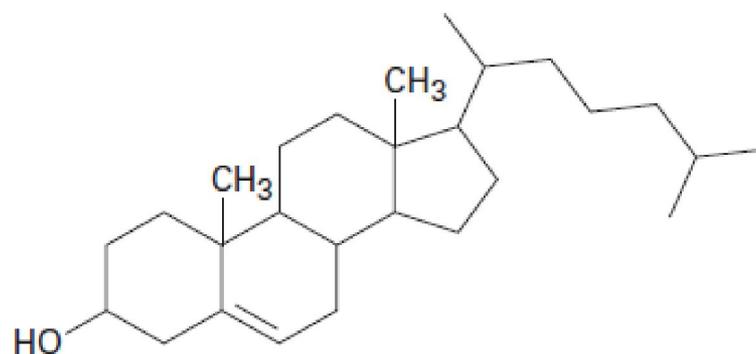
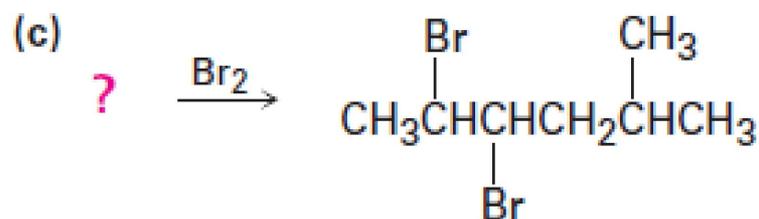
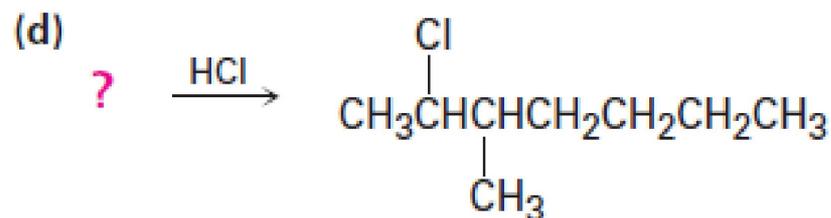
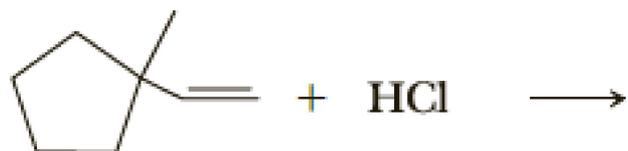
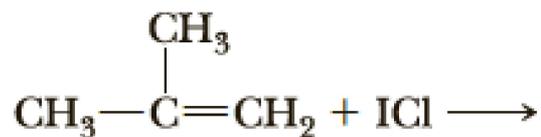
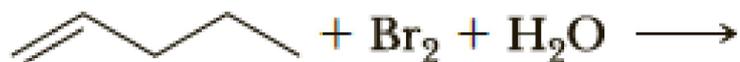


Установить структуры исходных алкенов по продуктам реакций:



Установить структуры исходных алкенов по продуктам реакций:





Cholesterol

