

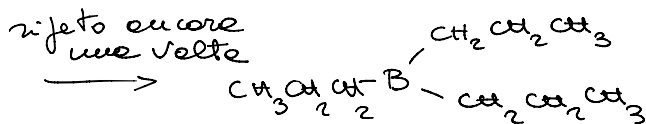
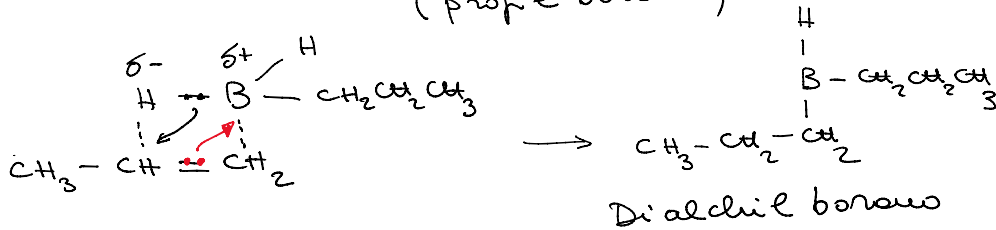
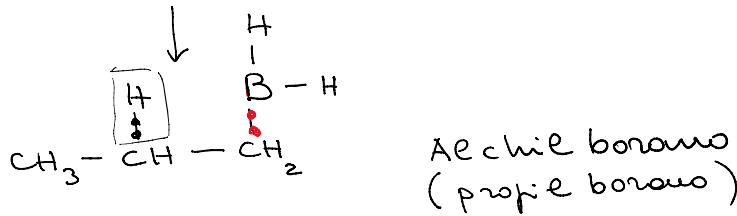
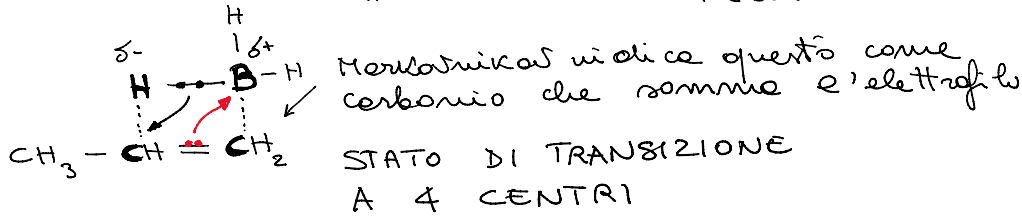
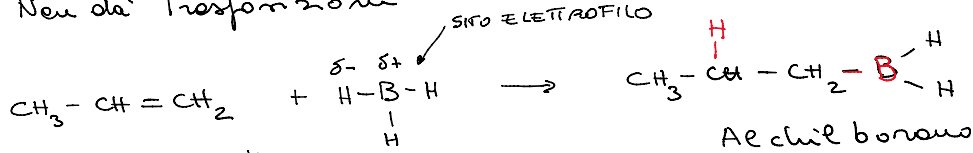
IDROBORAZIONE

H B

(Reazione con il BORANO BH_3
 è un idruro di Boro

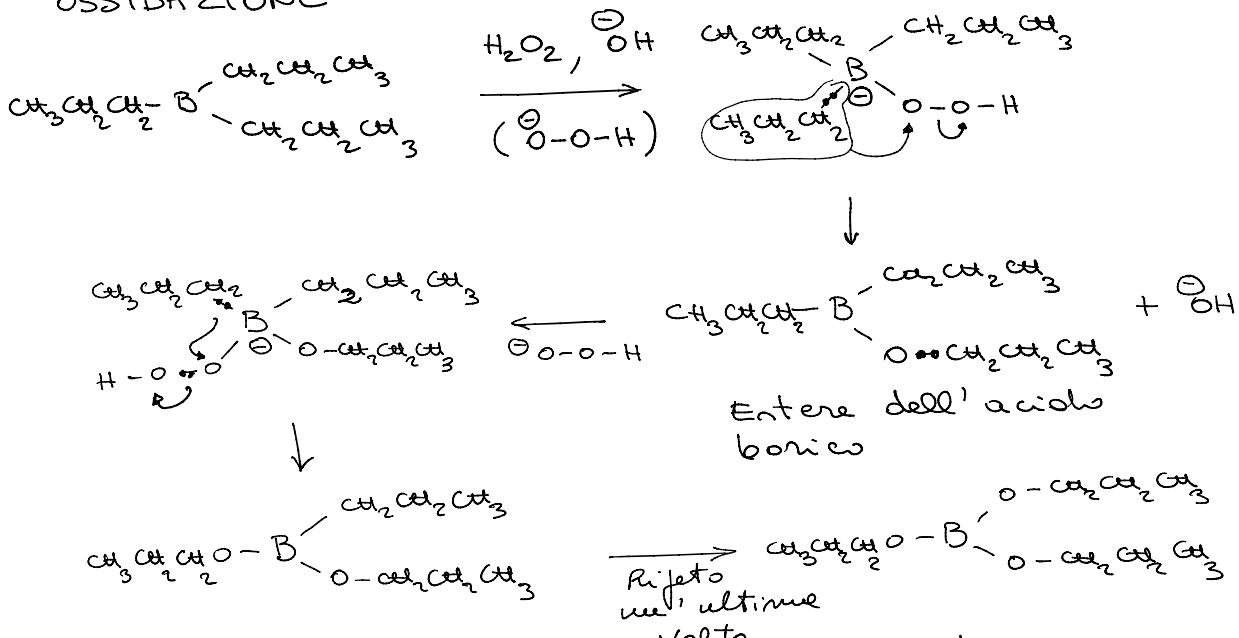
$$\begin{array}{c} \delta+ \delta- \\ H - B - H \\ | \\ H \end{array})$$

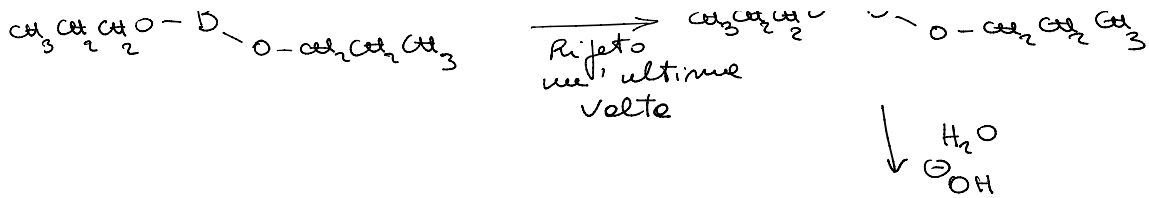
- ① Reazione Regionelettiva
- ② Reazione Stereospecifica
- ③ Nuova Trasposizioni



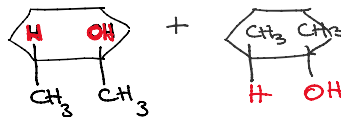
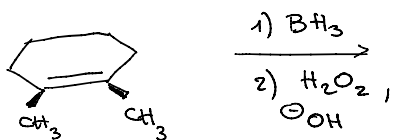
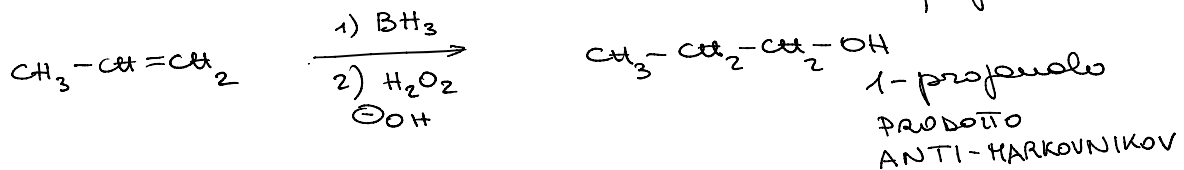
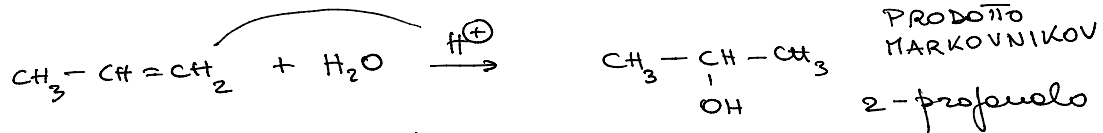
idrobossidazione - ossidazione
 idroborazione - riduzione

OSSIDAZIONE



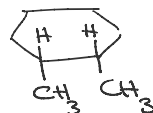
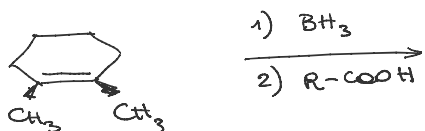
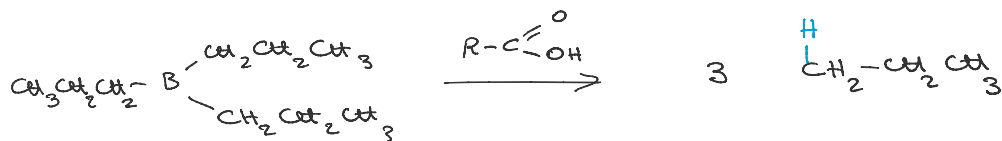


Idroborazione-ossidazione permette di aggiungere all'alcene 1 molecola d'acqua.



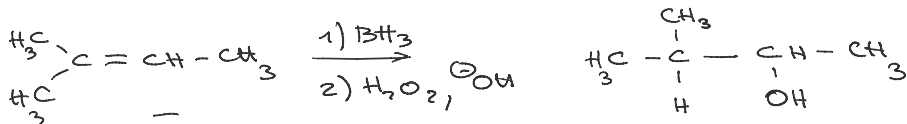
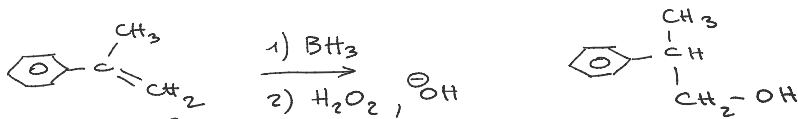
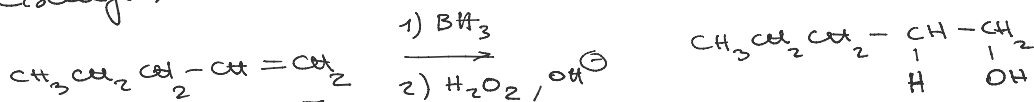
ADDIZIONE
SIN
COMPLANARE

IDROBORAZIONE - RIDUZIONE



ADDIZIONE
DI 2 H
SIN
COMPLANARE

Esempi:



OSSIDAZIONE

EPOSSIDAZIONE

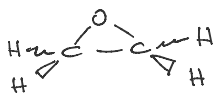
Sintesi degli epossidi

OSSIDILAZIONE

Addizione di 2 ossidrili (OH)

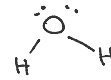
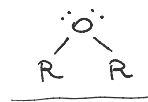
$\text{R}-\text{O}-\text{R}$ (eteri reattivi)

(OH)

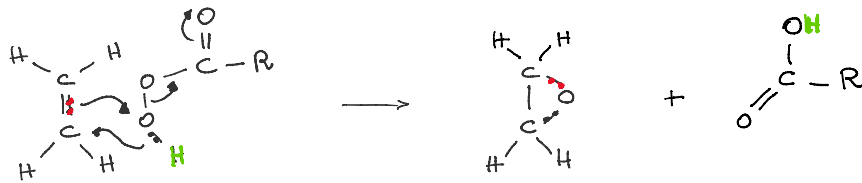
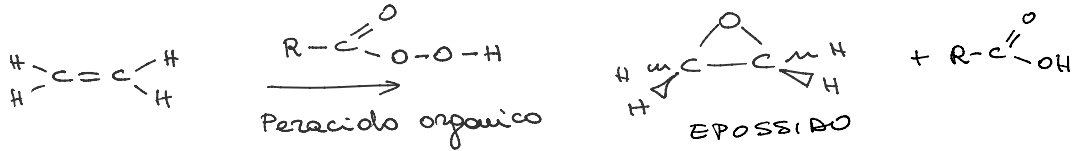


Epoxido (eteri reattivi)
Ossirano
(Ossido di etilene)

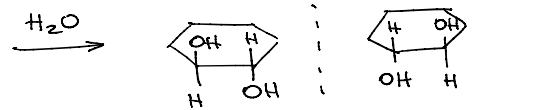
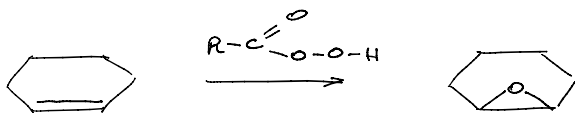
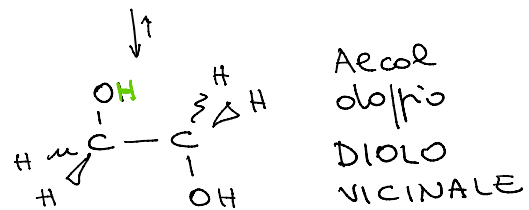
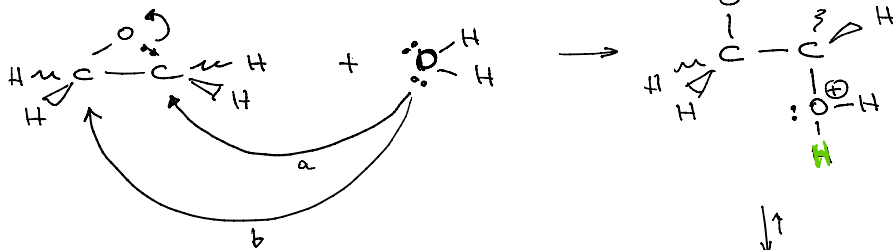
Gli epossidi sono degli eteri



EPOSSIDAZIONE



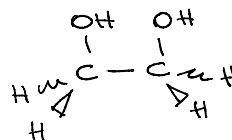
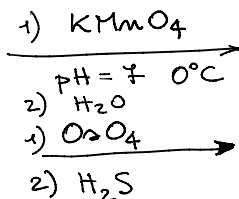
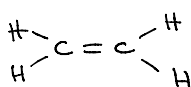
Se e' epossido reagisce con l'acqua:



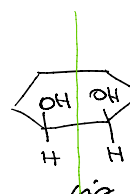
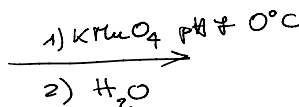
ADDIZIONE
ANTI
COMPLANARE
DEI 2 GRUPPI OH

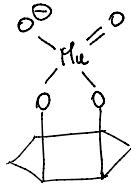
colle di
enantiomeri

OSSIDAZIONE



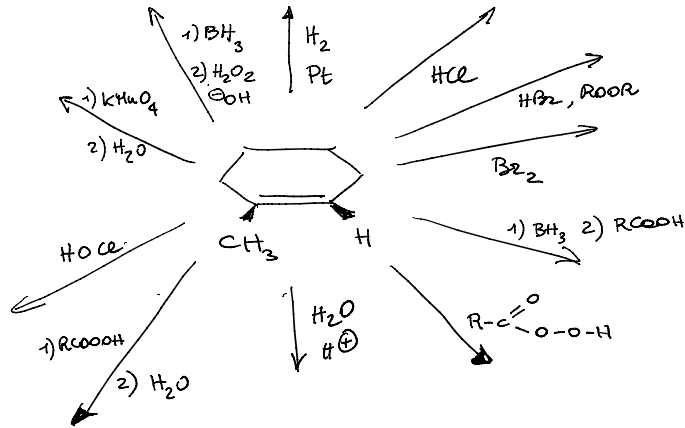
DIOLO
VICINALE
ADDIZIONE
SIN
COMPLANARE



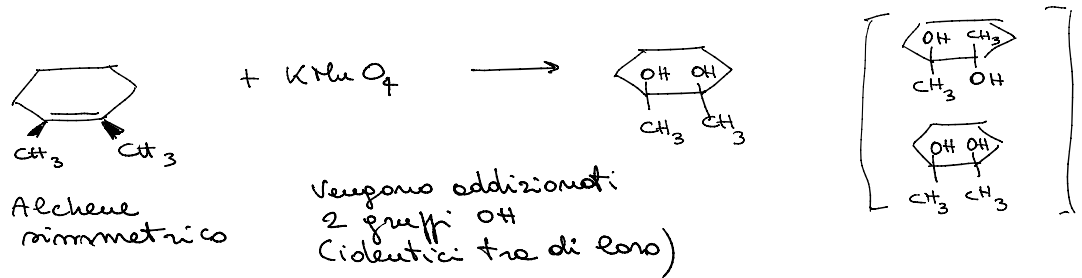
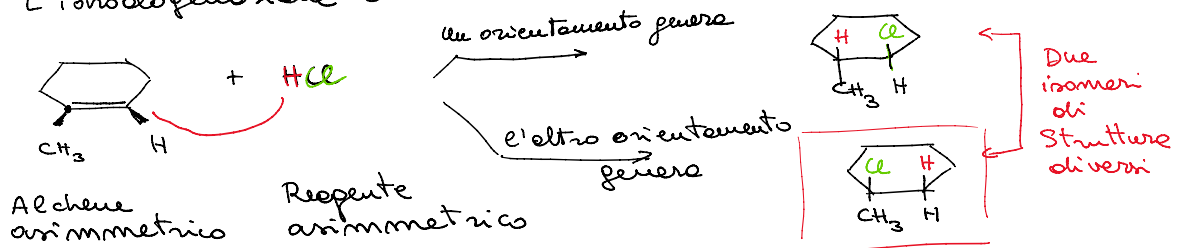


Intermedio di reazione

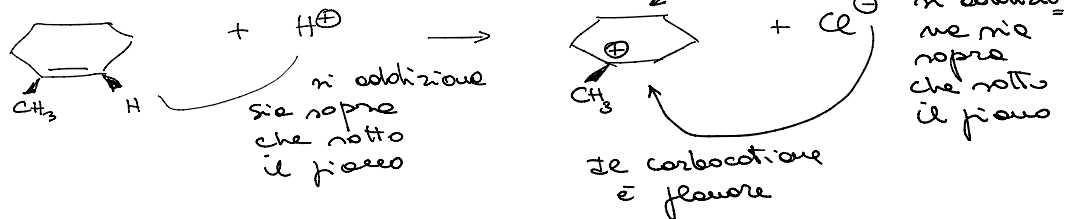
ESERCIZIO



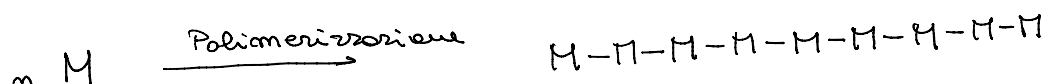
L'idroalogazione è REGIOSELETTIVA

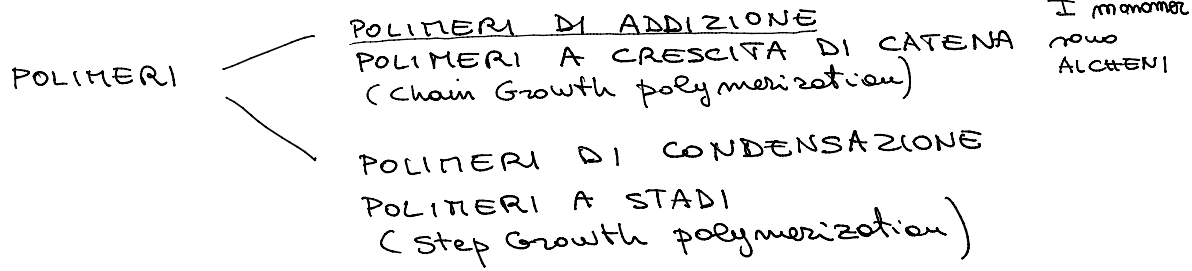
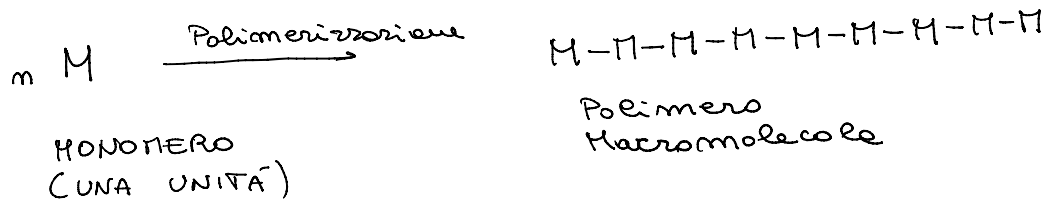


Perché la reazione di idroalogazione non è STEREOSPECIFICA



POLIMERI (significa MOLTE UNITÀ)





POLIMERI DI ADDIZIONE

