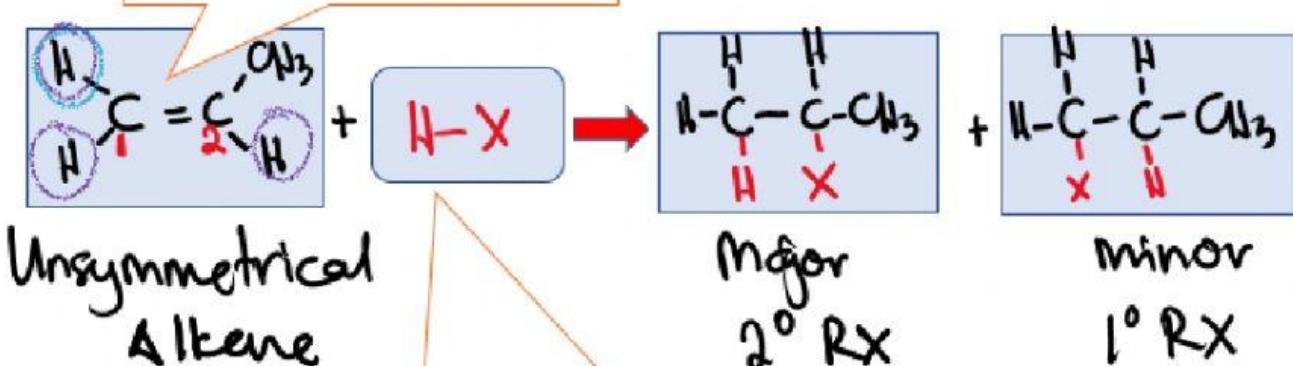


## Types of reaction: Electrophilic addition reaction

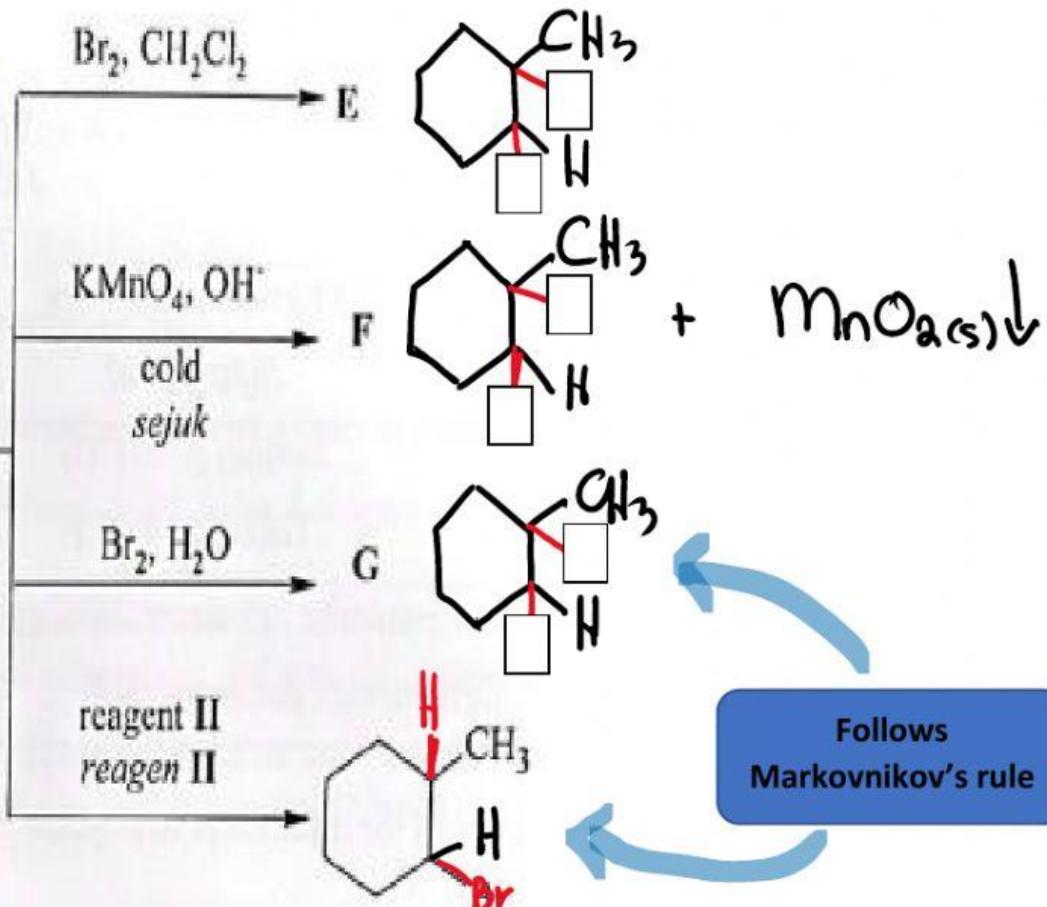
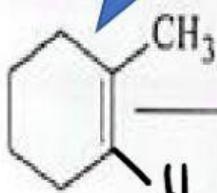
Alkene is unsaturated hydrocarbon that susceptible/involves in electrophilic addition reaction



Markovnikov's rule: In addition, reaction of unsymmetrical alkene to the  $HX$ , H will be added to the C of the  $C=C$  that has more H attached to it.

## PSPM DK024 2020/2021

Unsymmetrical alkene:  
Follows Markovnikov's rule



a) Give IUPAC name for D.

b) Draw the structure of E, F and G

c) State reagent II.

d) What is the type of reaction when alkene D reacts with reagent II?

e) State the observations for the reaction of D to produce F.