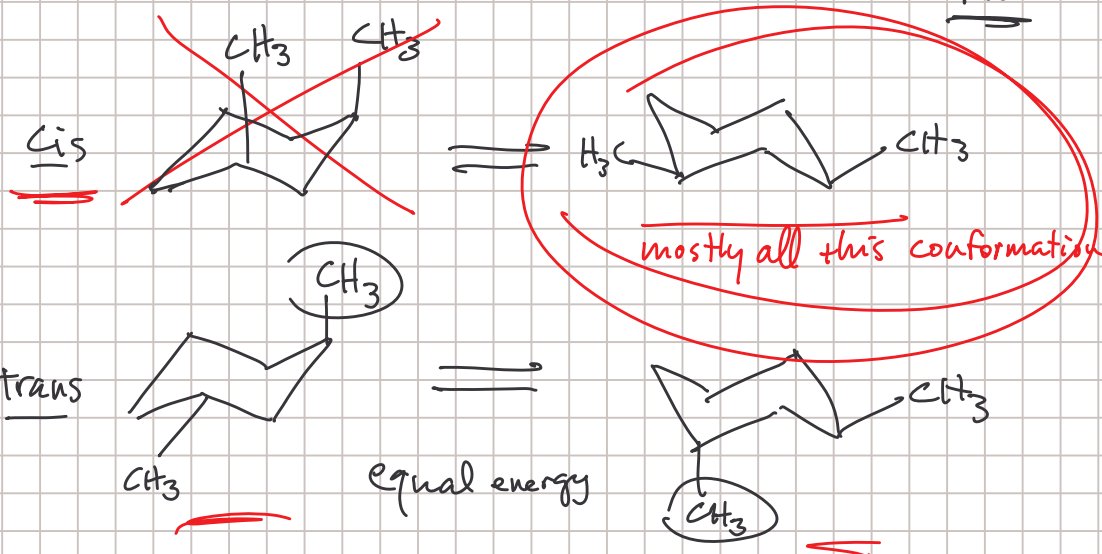
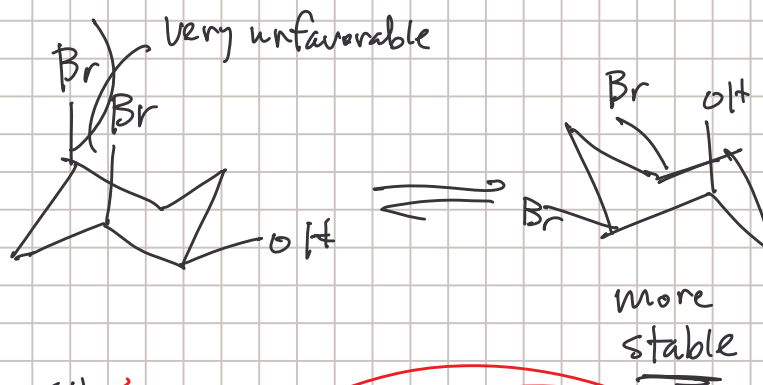
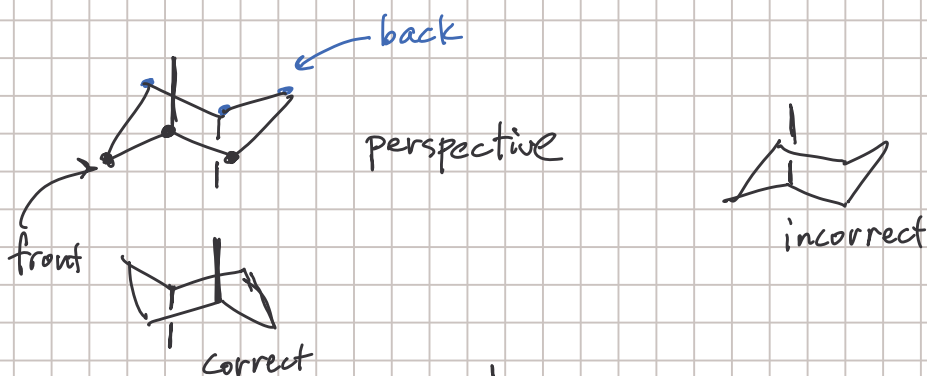
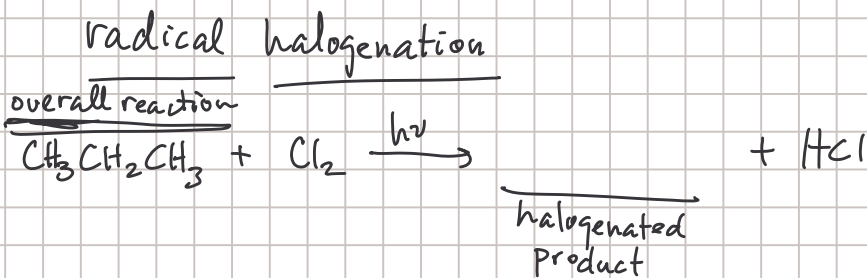


Exam 2 starts w/ 3-10 (cycloalkanes)





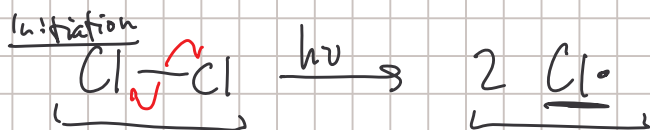
Mechanism arrows indicating motion of electrons
"hard mechanism"

show steps mechanism without arrows
"soft mechanism"

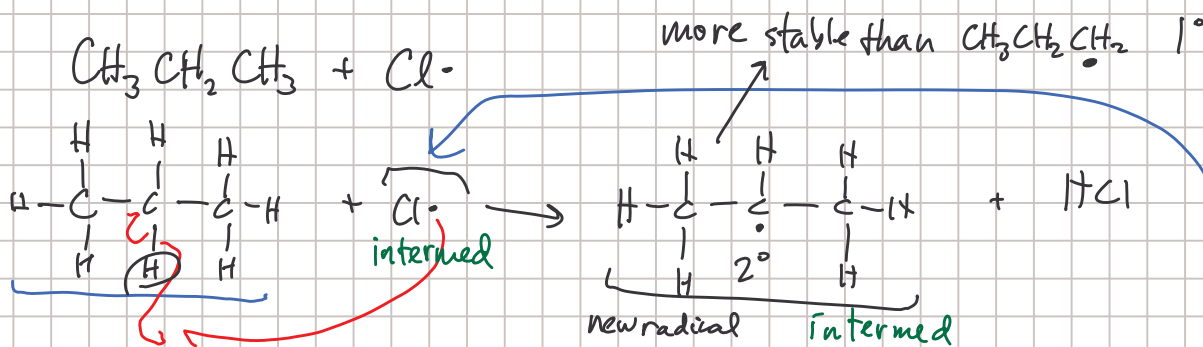
Initiation: radicals are formed

Propagation: radicals react

Termination: radicals are destroyed



Propagation



then...



- overall reaction is sum of propagation steps

- reactive intermediates cancel in propagation steps

Termination 2 radicals combine



or

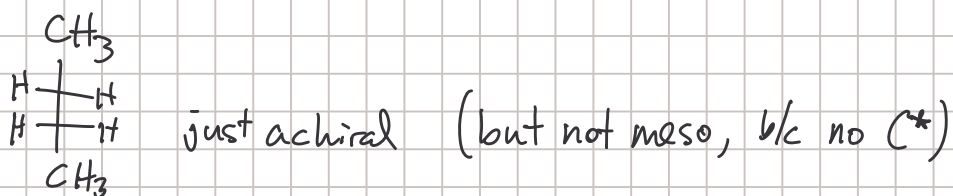
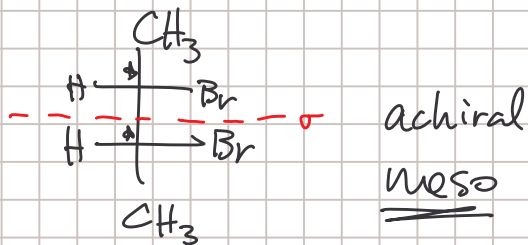


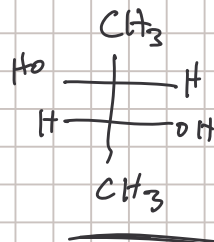
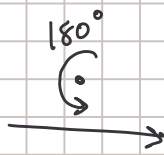
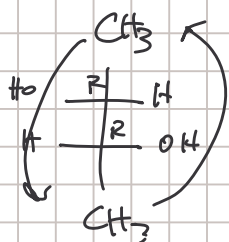
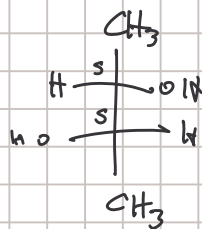
⊕ Resonance-stabilized radicals are preferred

⊕ Each resonance structure makes 1 major product.

Bring 1 cyclohexane w/ all H's
+ 3 different colored balls

Meso has internal mirror plane usually
achiral compound w/ C*'s





yes, mirror images

non-superimposable mirror images

(all C* opposite)

enantiomers

