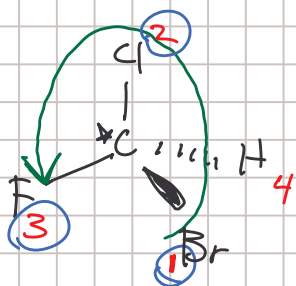


Ch 5

Note Title

9/30/2005

Homework 4 # 1 : 2nd step exothermic



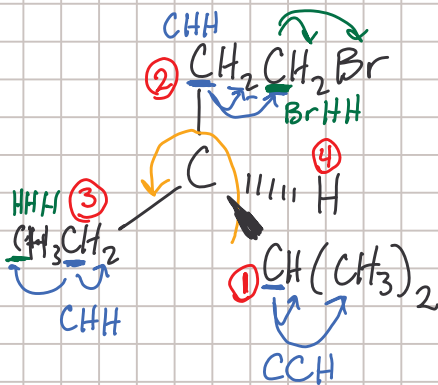
- Prioritize groups by atomic #
- rotate so #4 is facing away
(not in paper, not forward)

S configuration

→ draw circular arrow 1 → 2 → 3

↻ a clockwise arrow = R configuration
↗ Rectus (upright)

↺ a counterclockwise arrow = S configuration
↙ sinister (left)

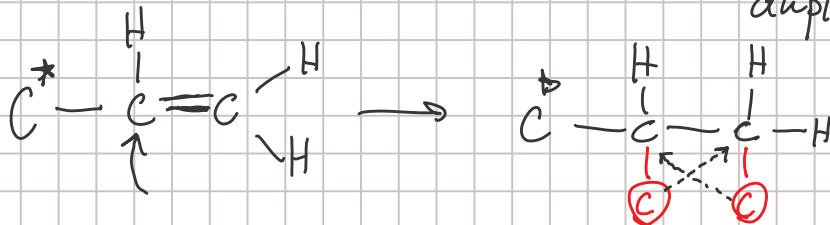


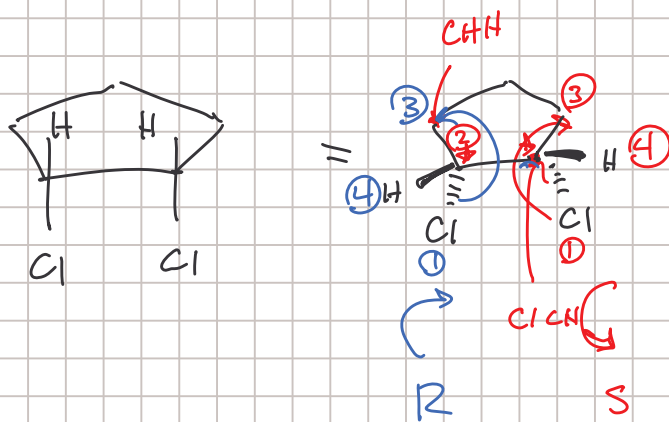
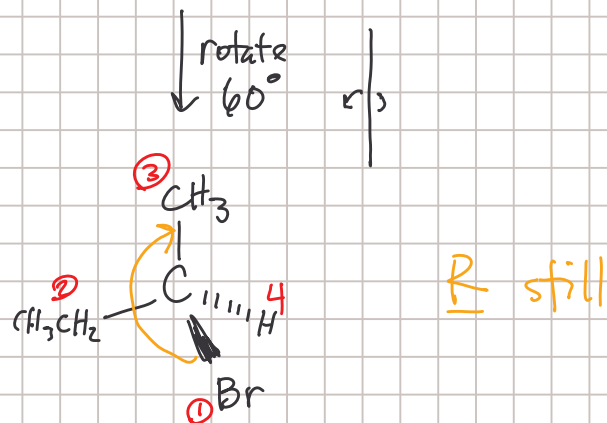
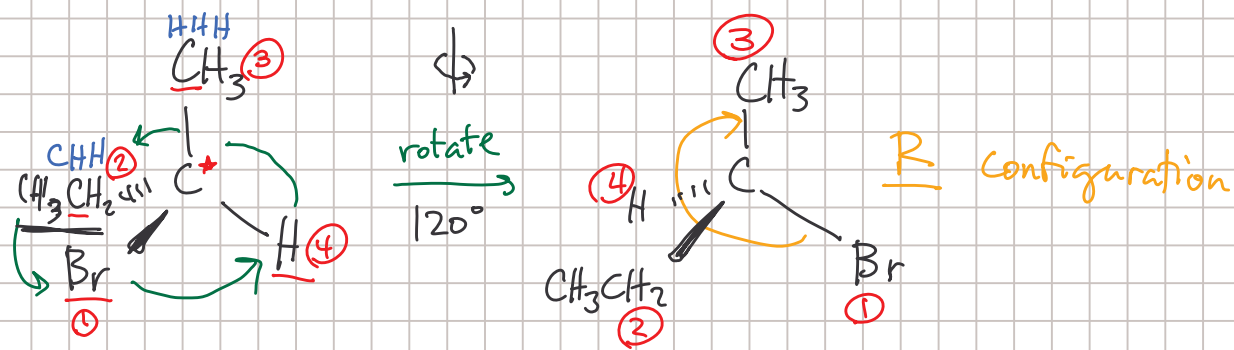
- if same atoms are connected to C*
look at what those atoms are connected to

- in subsequent ties, advance
1 more atom away from C*

S

- In the case of double/triple bonds, break bond & duplicate atoms





- Chiral molecules rotate plane-polarized light
- Enantiomers rotate plane-pol-light by the same amount in opposite directions

(+): clockwise rotation	} NOT RELATED TO ASSIGNING
(-): counterclockwise rotation	
} <u>R</u> ≠ <u>S</u>	
observation	naming convention