What are the three possibilities for how to move electrons with curved arrows i

Draw the arrow(s) required to make the transformation occur:

b.
$$\bigvee_{\Theta}^{\operatorname{Br}} \longrightarrow \bigvee_{\Theta}^{\operatorname{Cl}} + \operatorname{Br}^{\Theta} \stackrel{\operatorname{Cl}}{\longrightarrow} \bigvee_{\Theta}^{\operatorname{Cl}} + \operatorname{Br}^{\Theta}$$

$$C. \qquad \bigcap_{H} \xrightarrow{RO} \qquad \bigcap_{H} + ROH + CI^{\Theta}$$

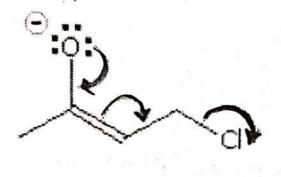
Look at the structures below, draw the intermediate(s) that you get after pushing

b.

Look at the structures below, draw the intermediate(s) that you g

 \longrightarrow

a.



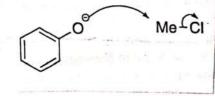
 \longrightarrow

b.

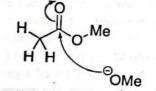
c.

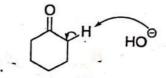
define, each of the following terms:

- Nucleophile = ____
- Electrophile = ___
- Label the nucleophile (N) and electrophile (E) in the following reactions:



- What is the difference between a base and a nucleophile? (What does each "do"?)
- 7. In each problem below, determine if the "attacking group" is acting as a base or nucleophile:





8. What is regiochemistry? What is stereochemistry? (How do you know when to consider them?) be specified

- - 9. Match the correct letter's definition to its term-

In each problem below, determine if the "attacking group" is acting as a base or nucleophile:

What is regiochemistry? What is stereochemistry? (How do you know when to consider them?) و عودالاداً

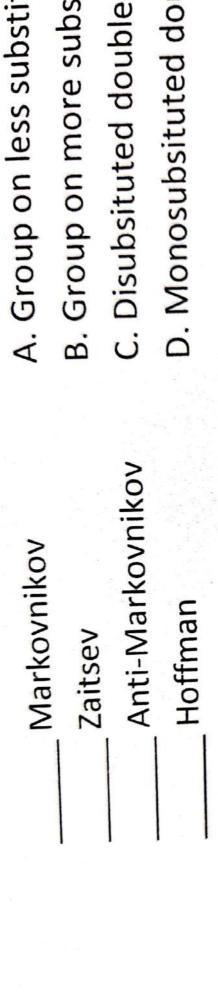
Match the correct letter's definition to its term:

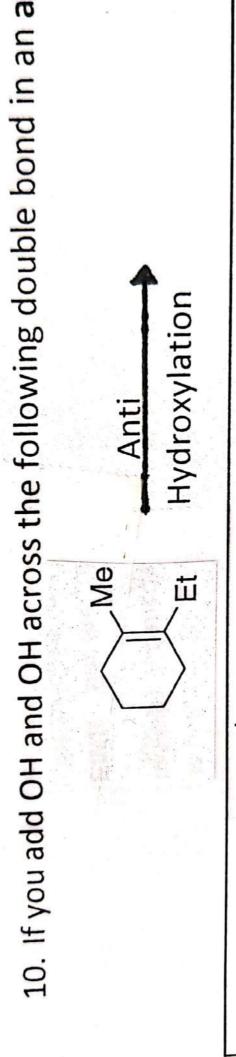
Markovnikov

Zaitsev

Anti-Markovnikov

- A. Group on less substituted carbon during an addition reaction
- B. Group on more substituted carbon during addition reaction





BONUS: Determine the R/S configurations for each stereocenter in #1 another (disastereomers, enantiomers, meso, etc.)