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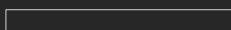
Compounds A, B and C are each a bromide containing a cyclohexane ring with molecular formula $C_7H_{13}Br$. Based on the information below, draw the structures of compounds A, B and C using wedged and dashed bonds where appropriate.

a. Solvolysis of compounds A through C with H_2O showed the following relative rates:

$$A > C \gg B$$

- b. Compound A does not undergo the SN_2 reaction.
- c. Compounds A and B are achiral. Compound C is a racemic mixture. You only need to draw one enantiomer.
- d. Reaction of B with ethoxide ($-OEt$) gives the same product as reaction of A with tertbutoxide ($t-BuO^-$).
- e. Reaction of A with ethoxide ($-OEt$) gives the same product as reaction of C with ethoxide ($-OEt$)

VIDEO SOLUTION



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