

Last Name:

First Name:

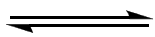
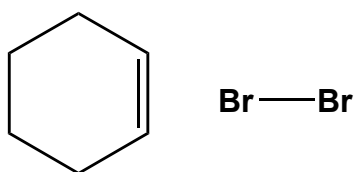
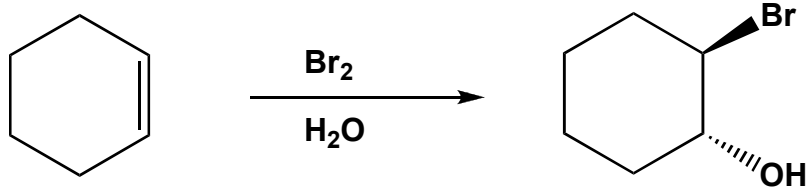
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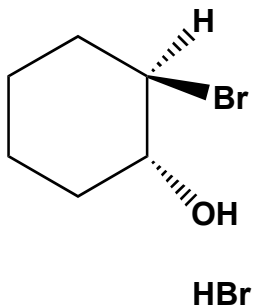
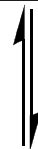
Class Time:

Deadline for CH320/328 M HW 5: Oct 15 3:00 PM

1) **Mechanism:** Provide a mechanism for the following transformation. Show all important flows of electrons, charges and intermediates. Where indicated, (in the structure-n-a- box)- draw the intermediates.



Draw the intermediate & show how water attacks



Show how the oxonium ion loses a H⁺

2) Alkenes-addition reactions: In the last HW exercise, you provided the carbocation for these reactions. This week, finish the reactions by providing the final product(s). Where there are two possible products, indicate which is the **MAJOR** product. If the two products would be formed in about equal amounts, write "equimolar or same amounts"

