

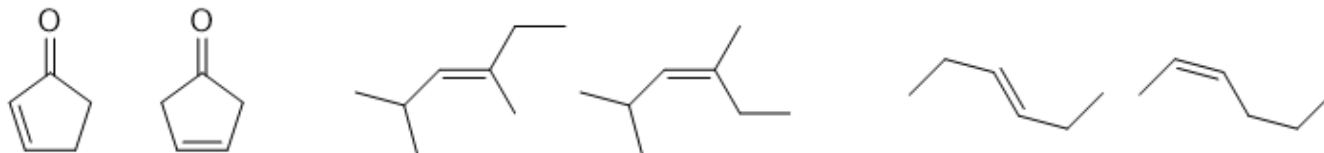
Dr. Starkey, CHM 3140 Organic Chem. I, Cal Poly Pomona
Chapter 7 Part 2 – Elimination Rxns ([Ch 7 Worksheet #3](#))

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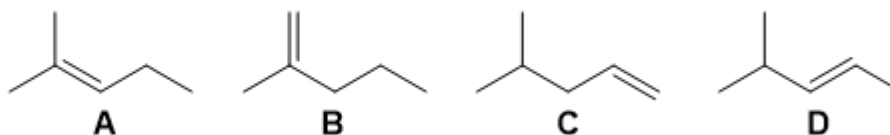
Select the more stable alkene in each pair of compounds.

1



2

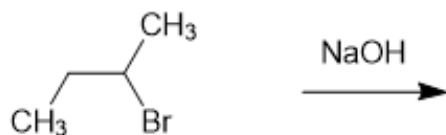
Arrange alkenes
from most stable
to least stable:



3

Example:

E2
mech.



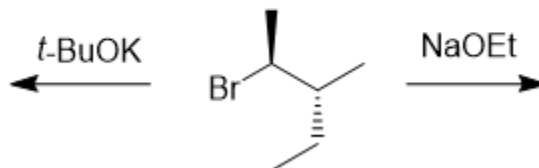
"eliminate" or lose β -hydrogen and LG (– HBr called dehydrohalogenation)

Group work: draw a Transition State for E2 reaction given above.

4

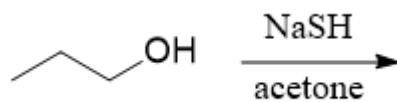
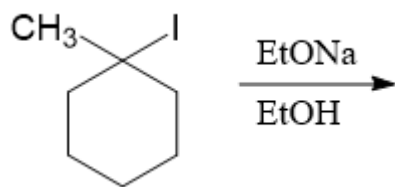
Group work: predict the major product for the following E2 elimination reactions.
Consider both regiochemistry and stereochemistry.

5

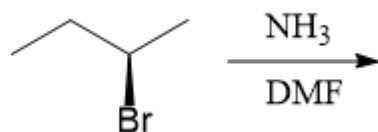
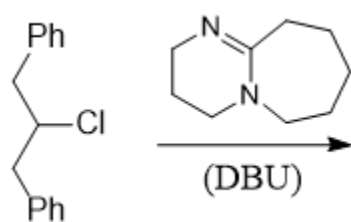


In each case, determine the mechanism (S_N2 , E2 or N.R.) and predict the major product(s).

6



7



8

