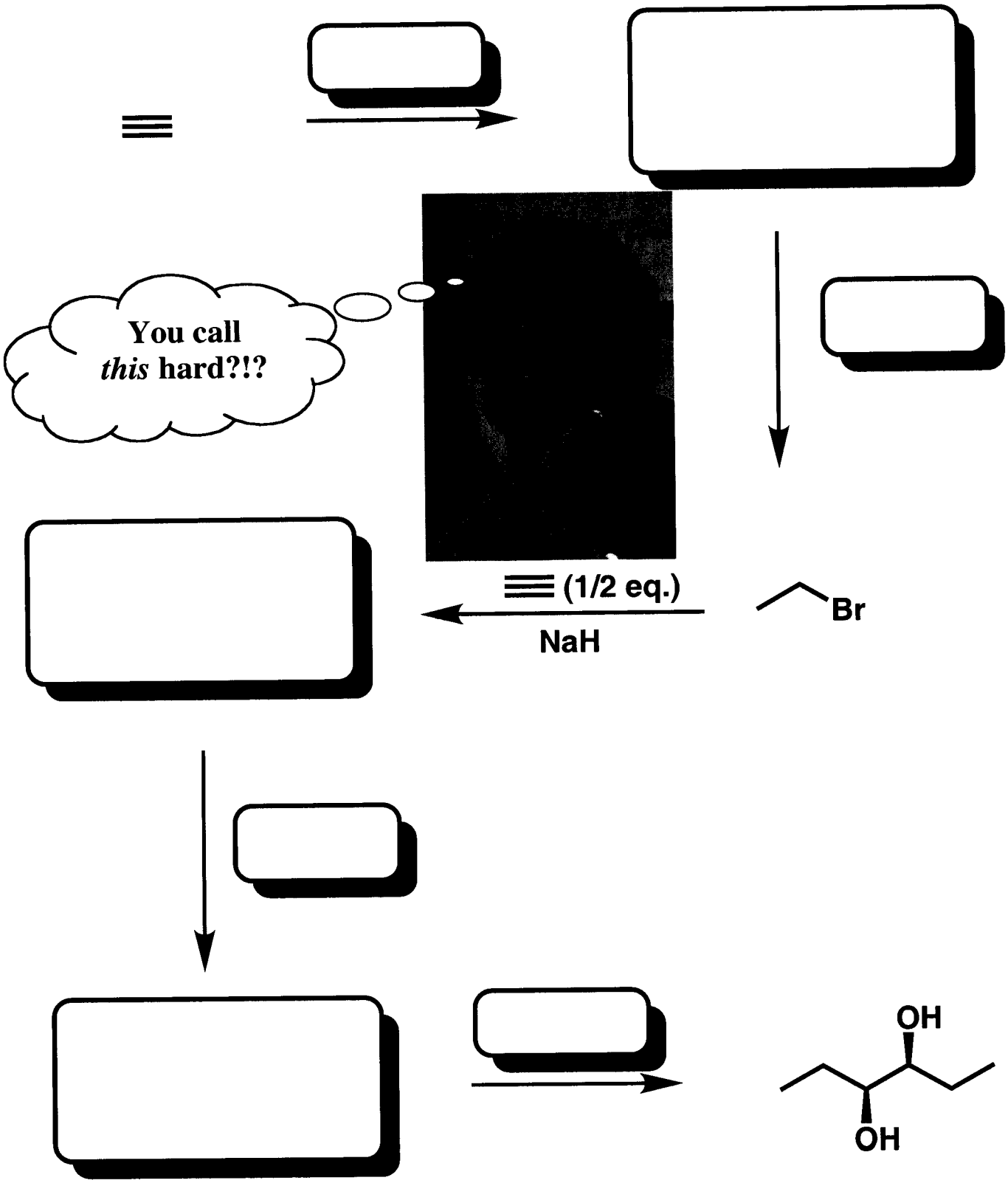
Review Session for Chem 30A Final

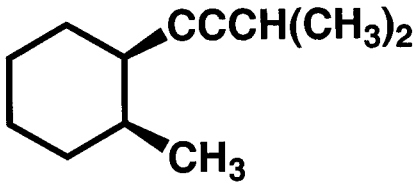
Synthesis

1. Fill in the Boxes (This was adapted from an old Stu exam)



2. Chair Conformations

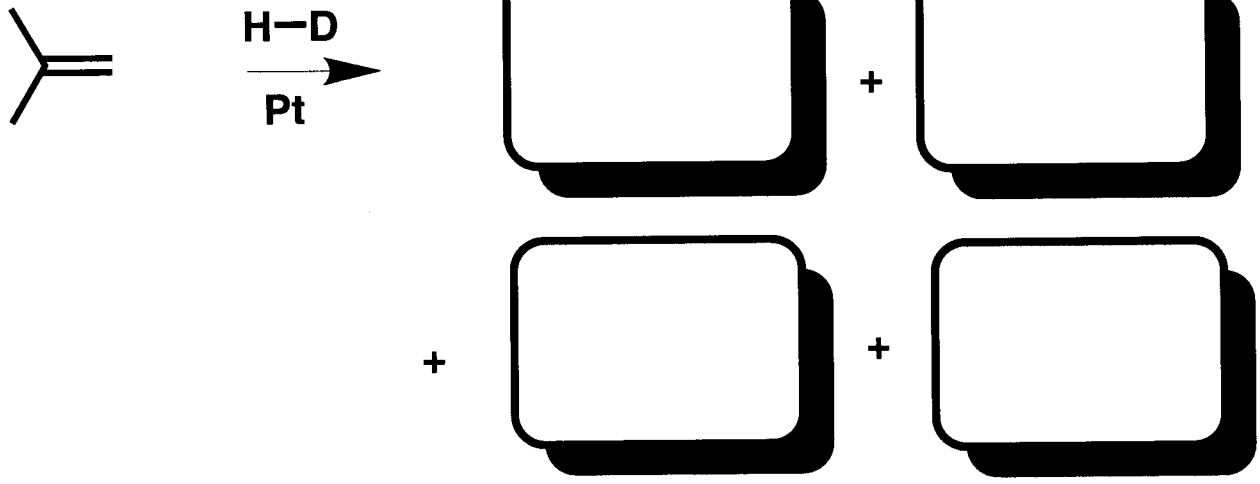
Draw the most stable chair conformation for the following molecule:



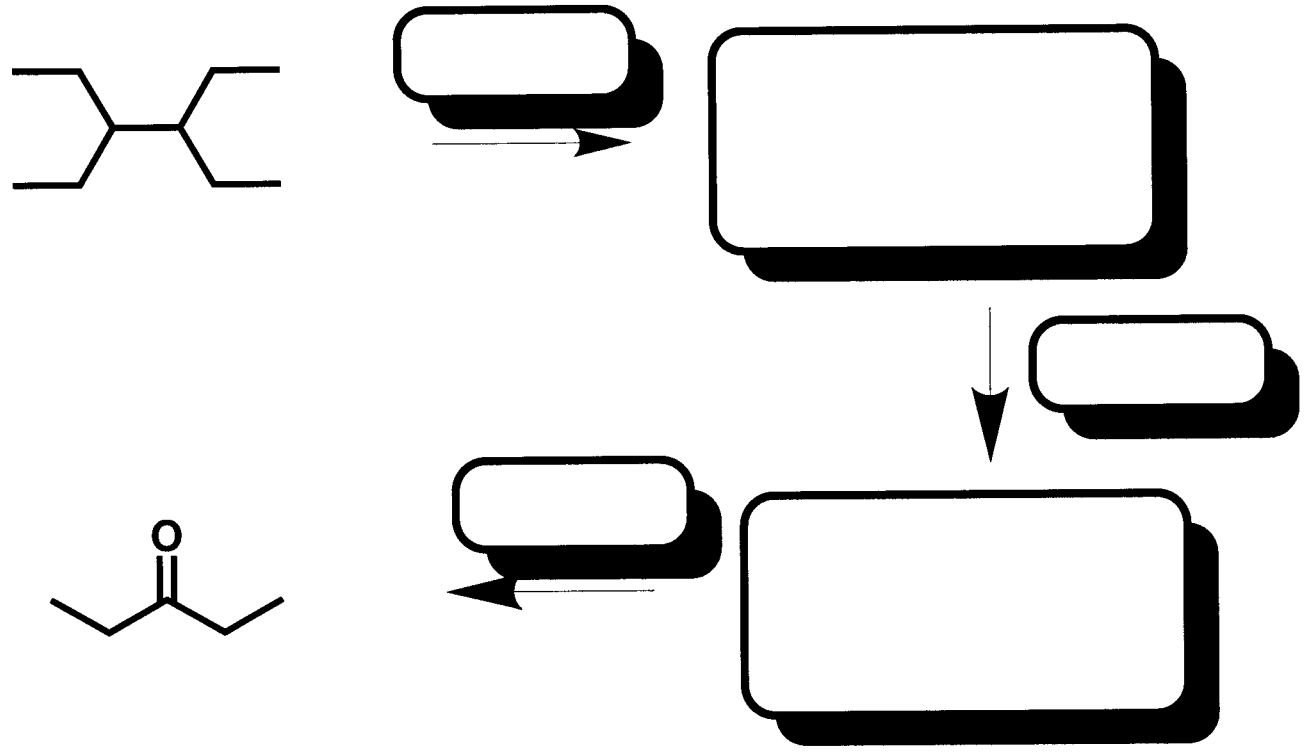
Briefly explain, using a double Newman projection, why the conformer you have drawn is the most stable.

3. Fill in the boxes.

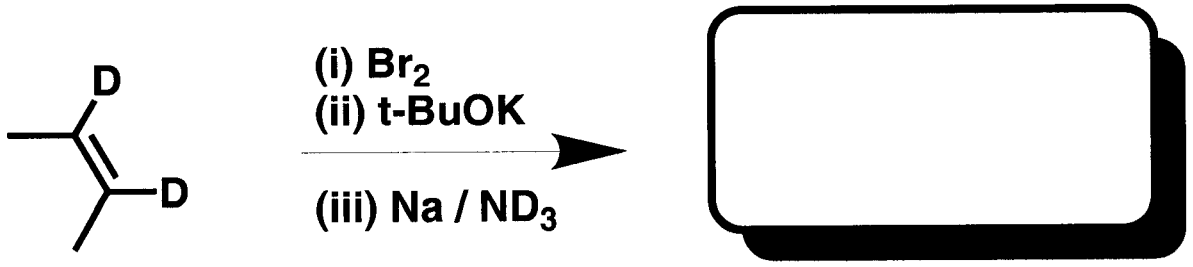
(a)



(b)



(c)



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Synthesis

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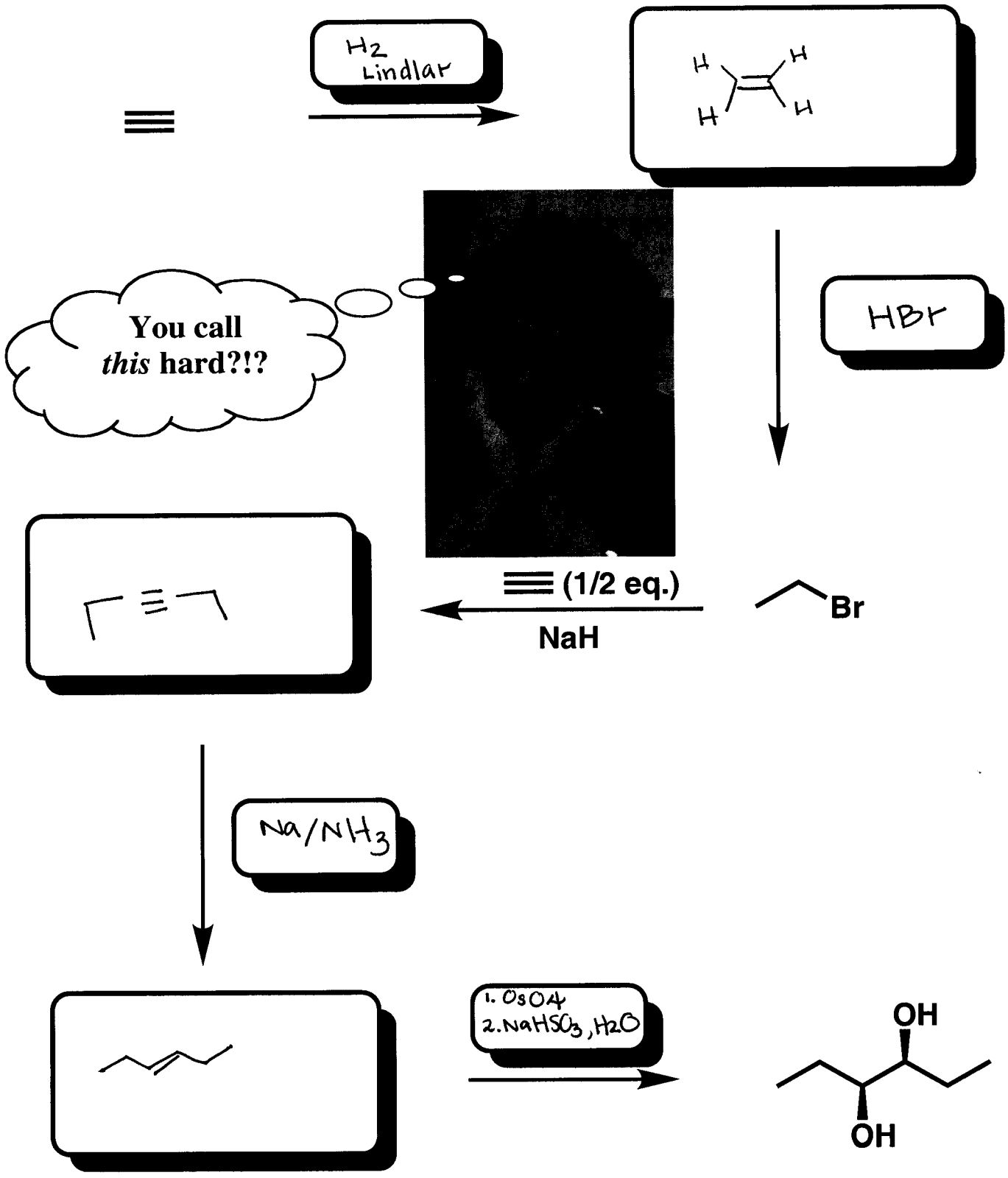
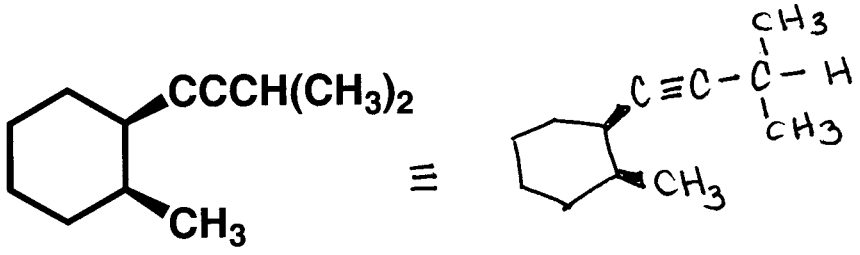
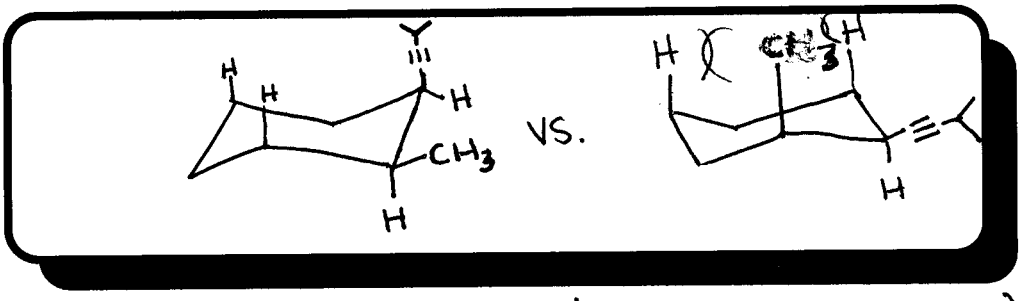


2. Chair Conformations

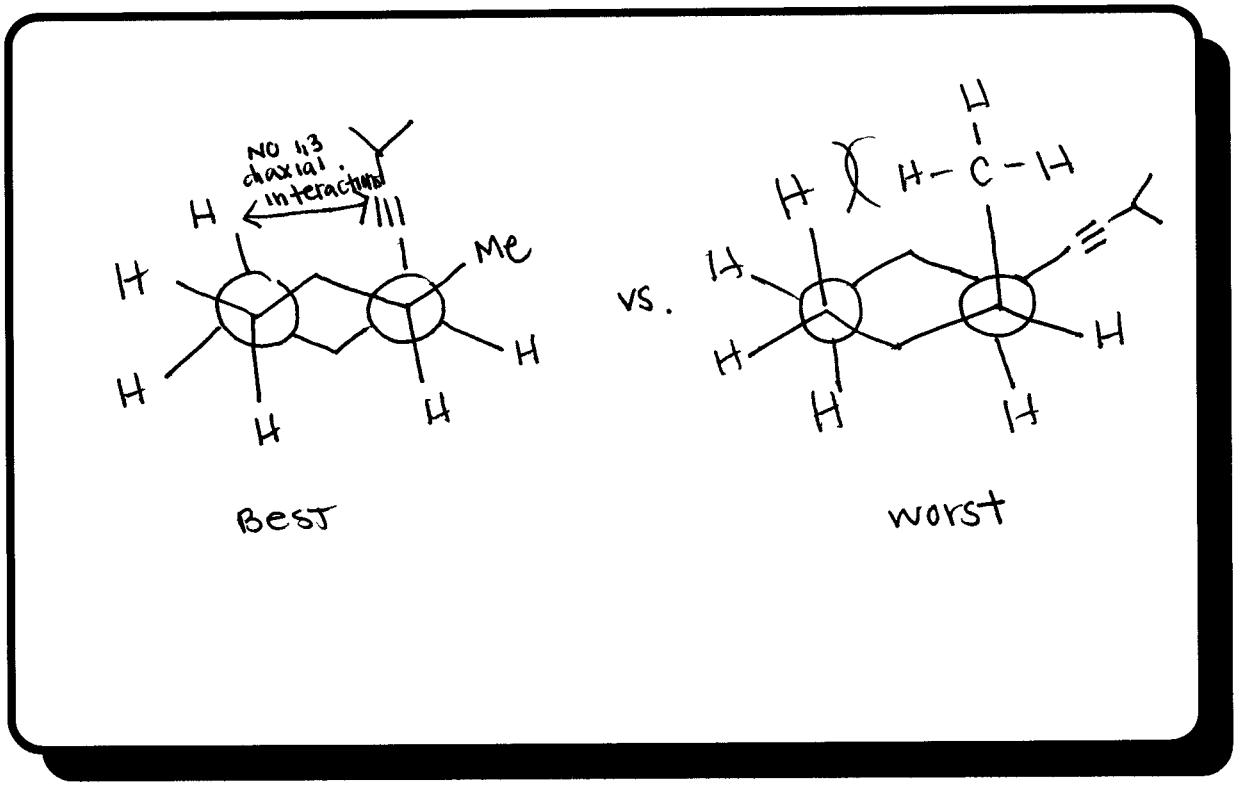
Draw the most stable chair conformation for the following molecule:





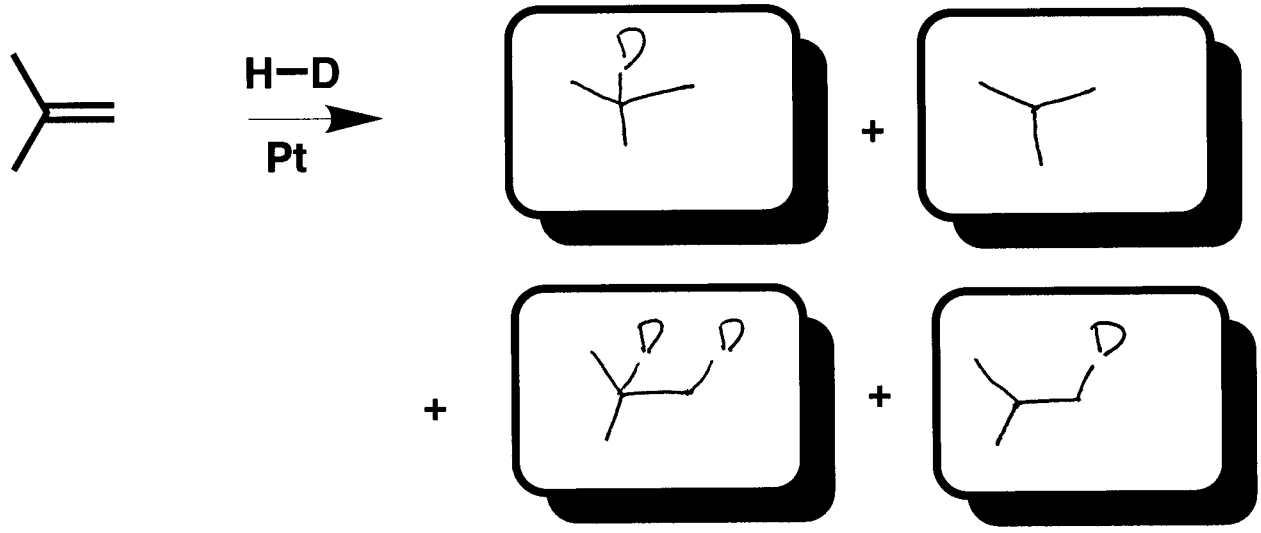
(Methyls are bulkier than alkynes)

Briefly explain, using a double Newman projection, why the conformer you have drawn is the most stable.

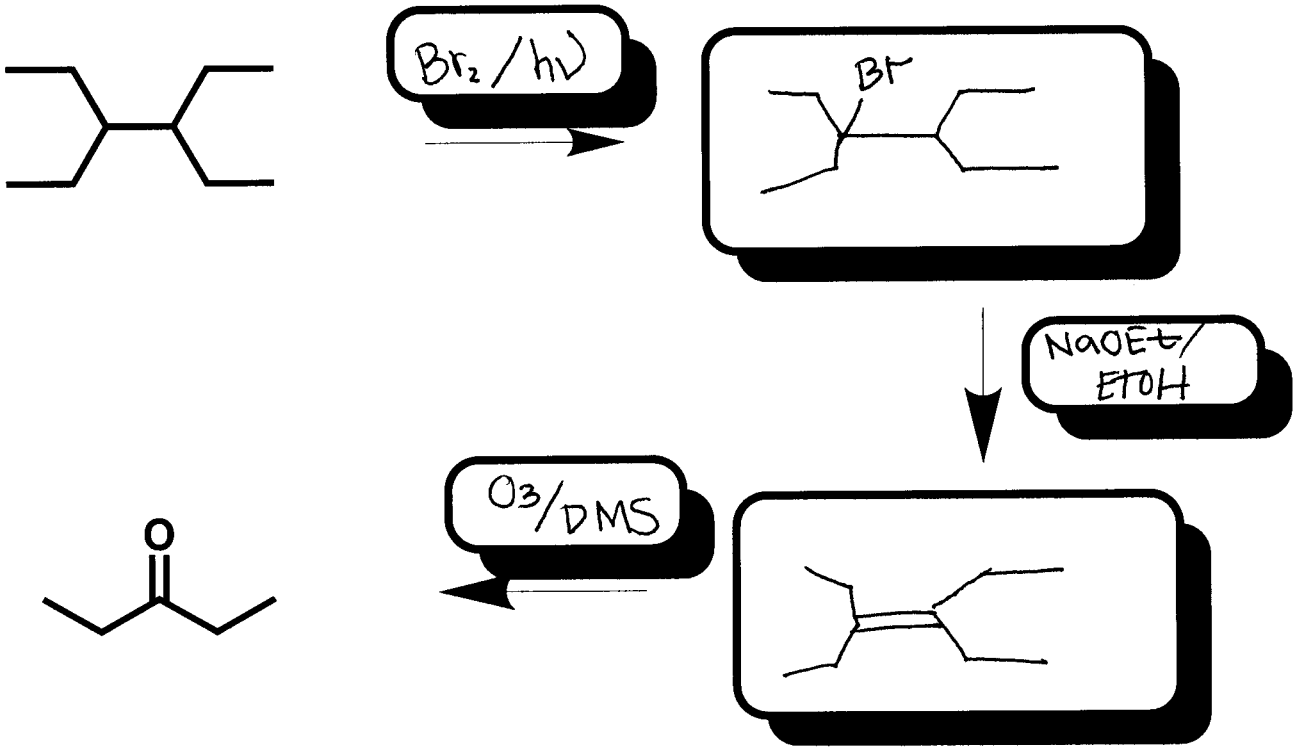


3. Fill in the boxes.

(a)



(b)



(c)