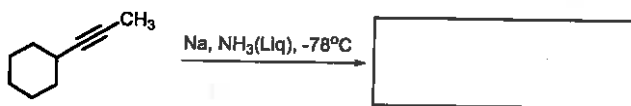


Quiz #3 Name Key

There is a total of 15 points for this quiz.

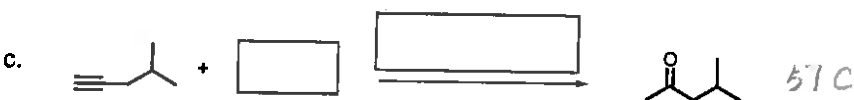
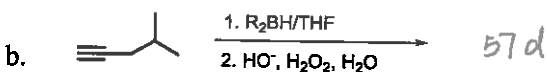
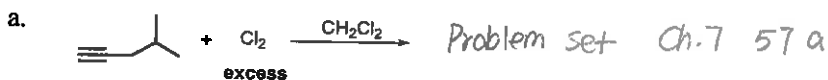
Answer all questions in the space provided.

[I] Provide the product and the detail electron pushing mechanism for the following reaction, pay attention to the stereochemistry. (4 points)



P315

[II] Provide the products or conditions for the following reactions. (2 points each)



[III] Starting with ethyne, describe how the following compounds could be synthesized. (3 points)

(3*S*, 4*R*)-4-bromo-3-hexanol and (3*R*, 4*S*)-4-bromo-3-hexanol.

Problem Set Ch.1 56a.