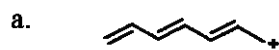


Quiz #4 Name Key

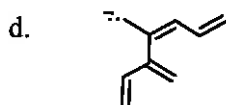
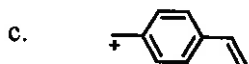
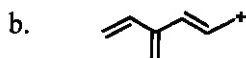
There is a total of 15 points for this quiz.

Answer all questions in the space provided.

[I] Draw resonance contributors for the following ions. (4 points)



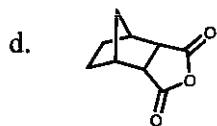
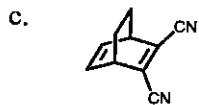
ch8 Q60



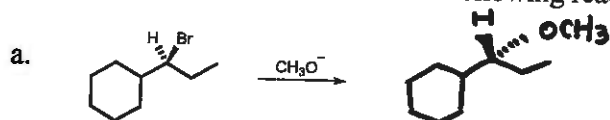
[II] Which diene and which dienophile could be used to prepare each of the following? (4 points)

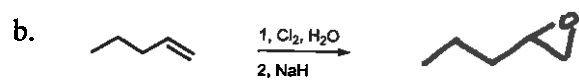


ch8 Q97

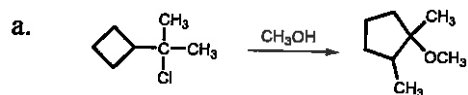


[III] Draw the product of each of the following reactions. (2 points)

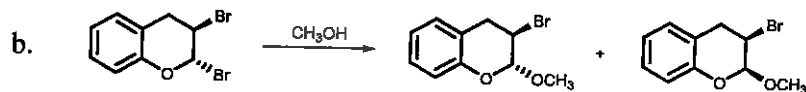




[IV] Propose a mechanism for the following reactions. (5 points)



ch9 Q61



ch9 Q64