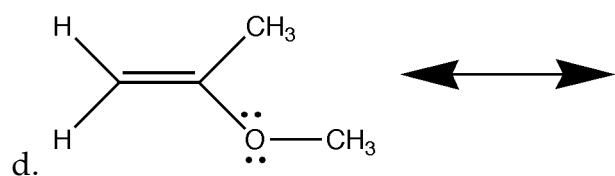
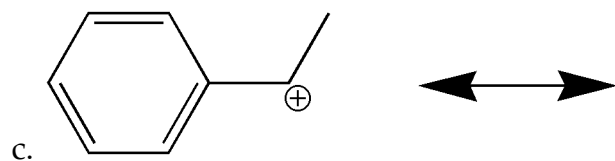
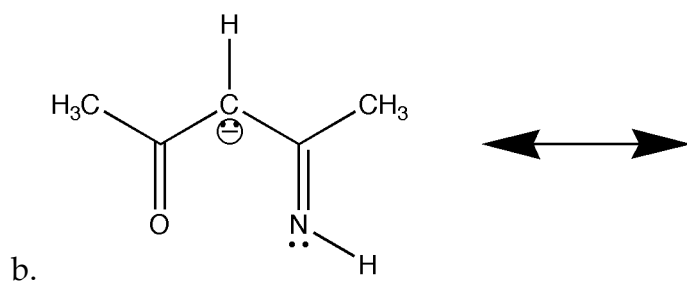
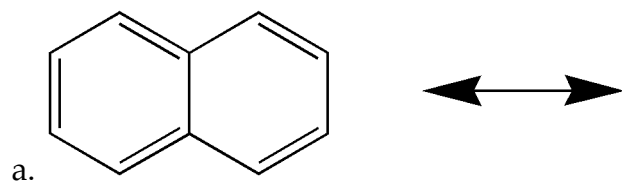
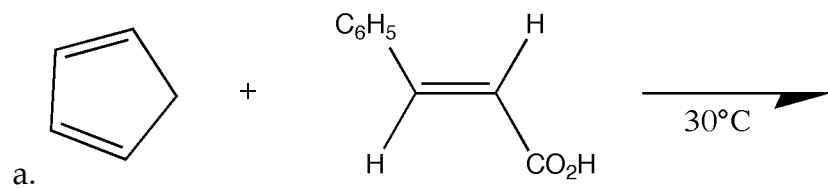


**Exercise 11: Resonance and Diels-Alder**

1. Draw the resonance structures for the following. There may be more than one resonance structure. For each compound, circle the resonance structure that is the most stable; circle all of them if they are all stable.



2. Predict the product and draw the mechanism for the following reactions:



Hint: There are two products (constitutional isomers).

