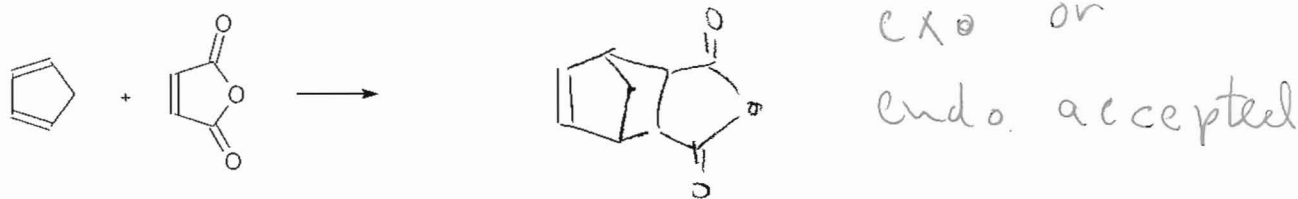
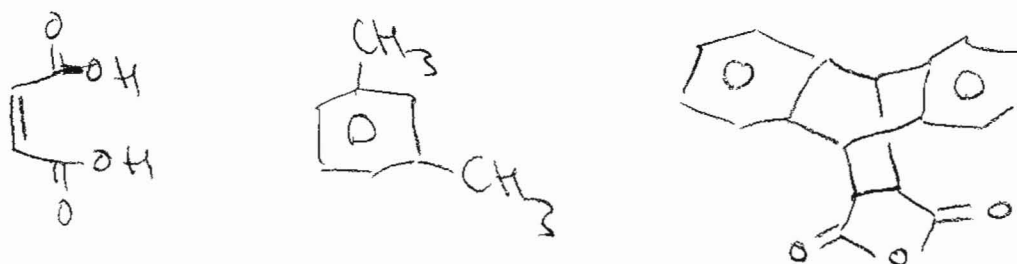


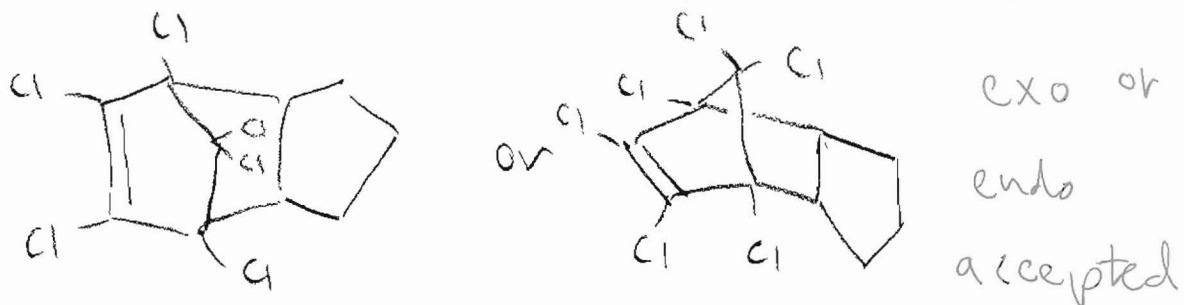
1. Show valid structural formulas for the product of the following Diels-Alder reaction (2 pts)



2. Show valid structural formulas of the following: a) maleic acid, b) meta-xylene, c) the Diels-Alder product you prepared last time (6 pts)



3. What Diels-Alder product will you obtain if you combine cyclopentene with hexachlorocyclopentadiene? Show a structural formula of the product as your answer! (3 pts)



4. Circle all chemicals you will need today! (4 pts)

- a) toluene    b) sodium benzoate    c) nitric acid    d) sulfuric acid