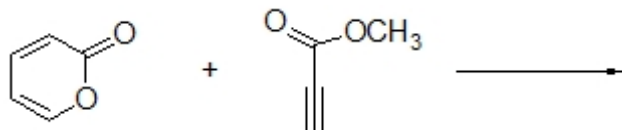


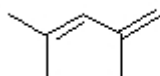
Name: _____

Organic II Lecture
Spring 2011
Quiz #2
(10 points)

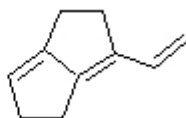
1. Predict the correct structure resulting from the following Diels-Alder reaction. (3 point, problem 15-29a)



2. Given that the UV_{\max} value of 2,4-dimethylpenta-2,4-diene is 232, predict the UV_{\max} value for the following structure. (2 points)



$UV_{\max} = 232 \text{ nm}$



$UV_{\max} =$

3. Draw the LUMO for 2,4-dimethylpenta-2,4-diene. (2 points)

4. Complete the following reaction by drawing the thermodynamically favored product. (3 points)

