Name:

Organic I Lecture Spring 2012 Quiz #3 (10 points)

1. Draw all important resonance structures for the following radical species. (3 points, problem 4-44)

- 2. If a one step reaction has a late transition state is it endothermic or exothermic? (1 points)
- 3. Based on the following theoretical reaction, provide a rate equation for a reaction that is second order and bimolecular. (2 points)

4. Provide two possible termination steps resulting from treatment of methane with chlorine and light. (4 points)