Name:

Organic I Lecture Fall 2011 Quiz #3 (10 points)

1. Using the provided table of bond-dissociation enthalpies, calculate the heat of reaction (in Kcals/mol) for the first propagation step in the reaction below. (3 points, problem 4-20)

2. Provide an energy diagram for an exothermic two-step reaction, where the first step is the rate determining step. Correctly label each axis. (4 points)

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3. Which sequence ranks the following carbocations in order of increasing stability? (3 points)

