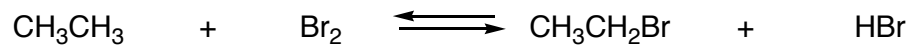


**MAD ORG. CHEM. MIN. # 11a**LAST NAME \_\_\_\_\_ FIRST NAME \_\_\_\_\_  
ID# \_\_\_\_\_ CIRCLE CLASS TIME: 10AM 1 PM

1. For the following reaction, calculate  $\Delta H^\circ$  and label as exothermic or endothermic. Does the equilibrium lie to the left or right?



2. On the back of the page, write a detailed mechanism for the reaction above.