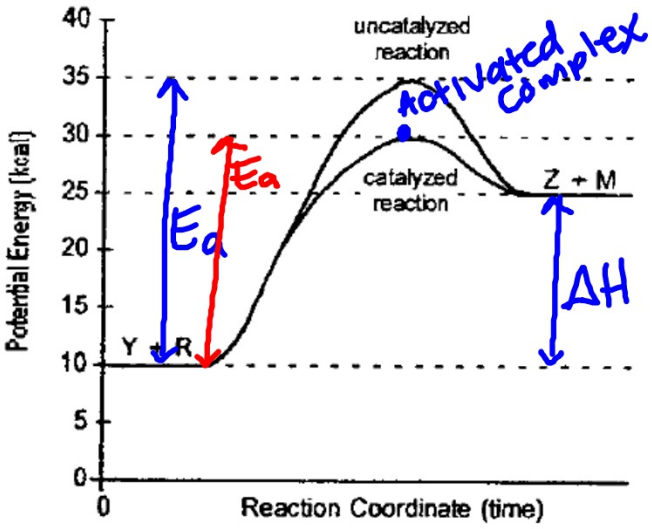
Day 4.2 Warm-Up

Use the potential energy diagram to answer questions 1-5.



1. Is the reaction endothermic or exothermic?

   endo

2. What is the value of the activation energy of the uncatalyzed reaction?

   35 - 10 = 25 kcal

3. What is the value of the activation energy of the catalyzed reaction?

   30 - 10 = 20 kcal

4. What is the potential energy of the activated complex of the catalyzed reaction?

   30 kcal

5. How does ΔH for the catalyzed compare to ΔH for the uncatalyzed reaction? (same, greater or less). Explain your reasoning.

ΔH will be the same for both because Energy of reactants & products remains the same.