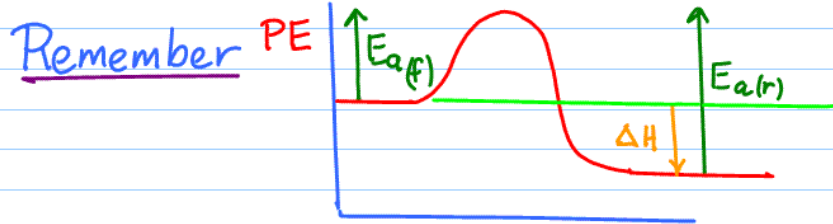


# Calculating $E_a(\text{forward})$ , $E_a(\text{reverse})$ and $\Delta H$

Note Title

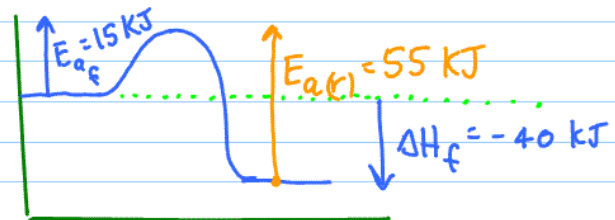
9/20/2007

Sept 20/2007

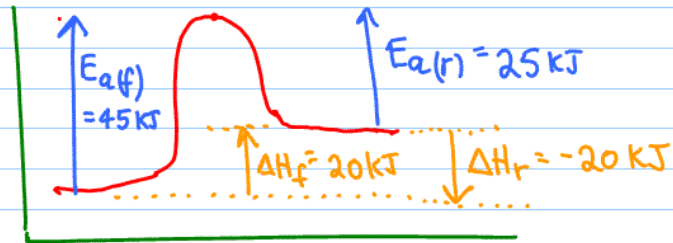
eg) If  $\Delta H_f = -40 \text{ kJ}$  and  $E_a(f) = 15 \text{ kJ}$ ,  
find  $E_a(r)$

Draw a graph

Ans.  $E_{a(r)} = 55 \text{ kJ}$



eg) If  $E_a(r) = 25 \text{ kJ}$  and  $E_a(f) = 45 \text{ kJ}$ ,  
find  $\Delta H_f$  and  $\Delta H_r$



p.25 Ex 41-45  
Text