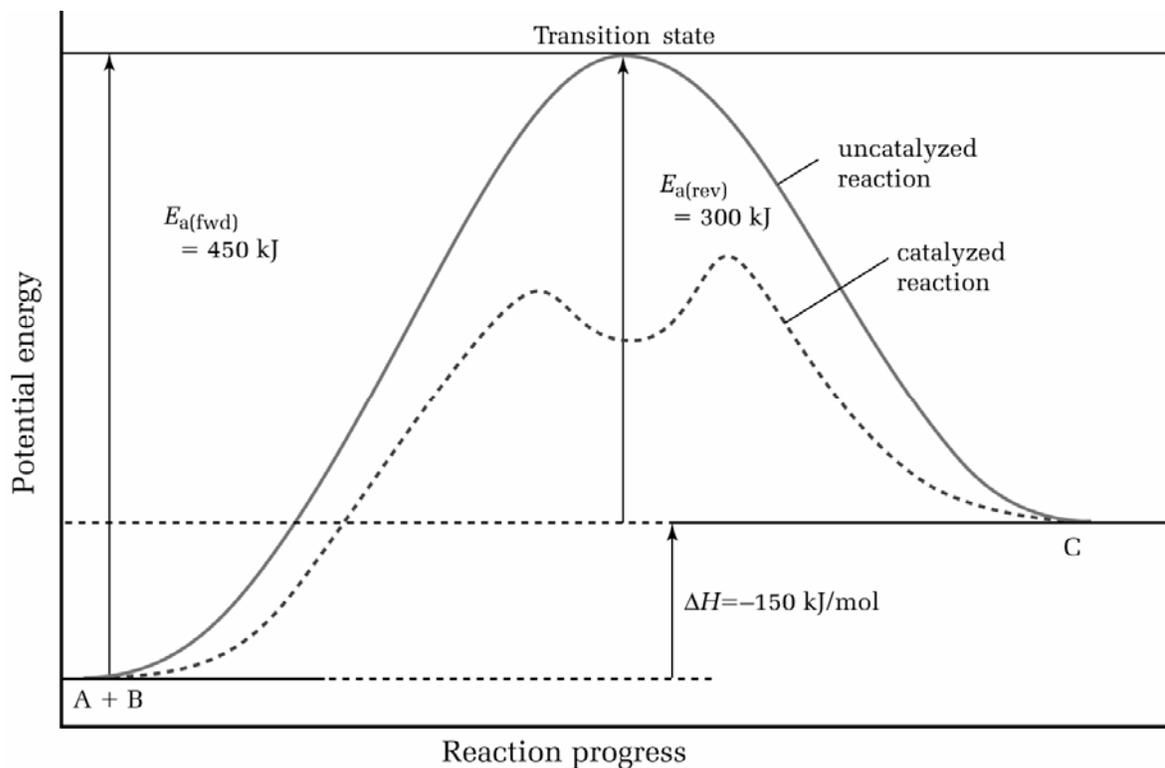


Potential Energy Diagrams

Answer Key

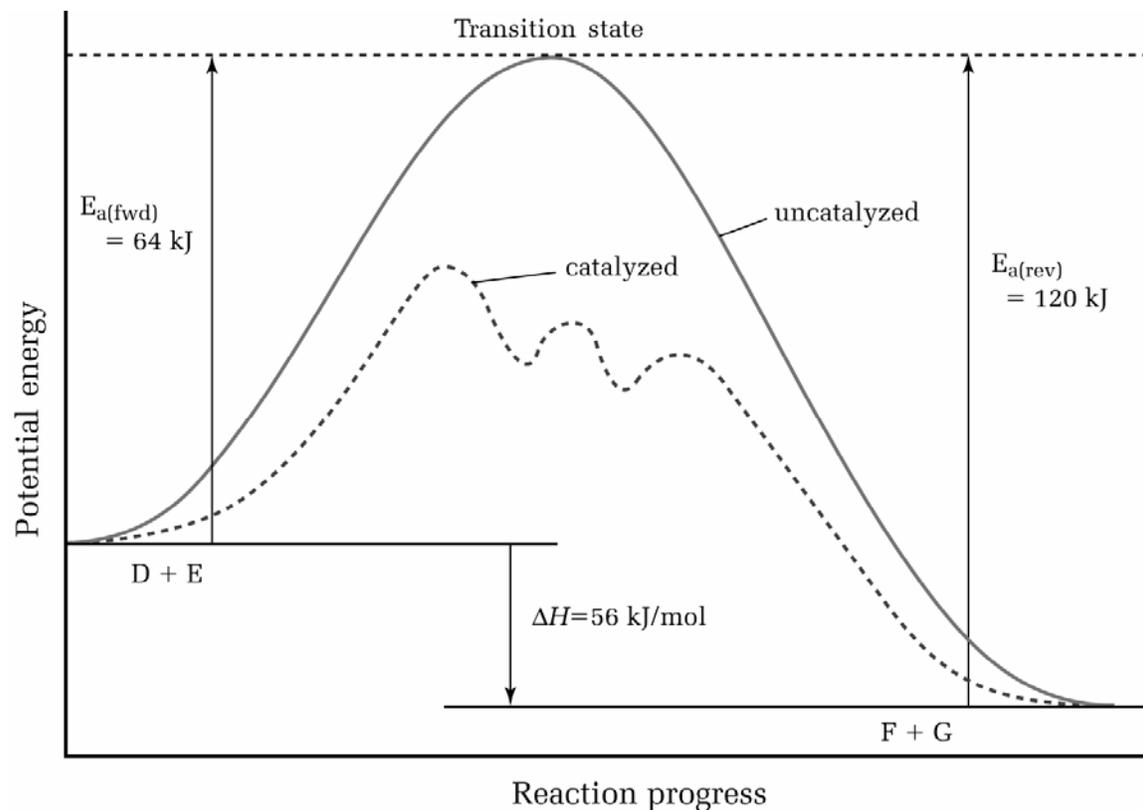
1.



- (a) Endothermic
- (b) 300 kJ
- (c) The curve representing reaction progress would have had two “hills.” In other words, the diagram would need to show two activation energies—one for each step.
- (d) See dotted curve on diagram above.

Potential Energy Diagrams
Answer Key (continued)

2.



- (a) Exothermic
- (b) 64 kJ
- (c) See dotted curve on diagram above.