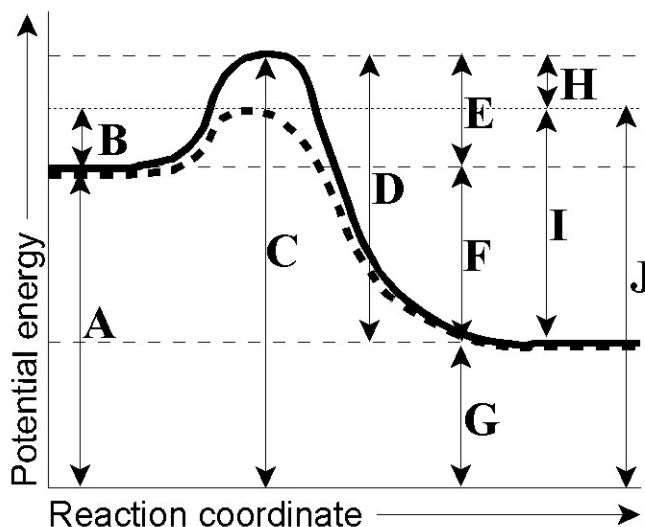


## Interpreting Reaction Coordinates

The diagram below shows the reaction coordinate for a reversible catalyzed and uncatalyzed reaction. Referring to the diagram, answer the questions that follow.



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| <p>_____ 1. The reaction shown above is (a) endothermic, (b) exothermic.</p> <p>_____ 2. Which lettered arrow represents the energy of the reactants for the forward reaction?</p> <p>_____ 3. Which lettered arrow represents the energy of the reactants for the reverse reaction?</p> <p>_____ 4. Which lettered arrow represents the energy of the products for the forward reaction?</p> <p>_____ 5. Which lettered arrow represents the energy of the products for the reverse reaction?</p> <p>_____ 6. Which lettered arrow represents <math>\Delta H</math> for the forward catalyzed reaction?</p> <p>_____ 7. Which lettered arrow represents <math>\Delta H</math> for the forward uncatalyzed reaction?</p> <p>_____ 8. Which lettered arrow represents <math>\Delta H</math> for the reverse catalyzed reaction?</p> <p>_____ 9. Which lettered arrow represents <math>\Delta H</math> for the reverse uncatalyzed reaction?</p> | <p>_____ 10. Which lettered arrow represents activation energy for the forward catalyzed reaction?</p> <p>_____ 11. Which lettered arrow represents activation energy for the forward uncatalyzed reaction?</p> <p>_____ 12. Which lettered arrow represents activation energy for the reverse catalyzed reaction?</p> <p>_____ 13. Which lettered arrow represents activation energy for the reverse uncatalyzed reaction?</p> <p>_____ 14. Which lettered arrow represents energy of the activated complex for the catalyzed reaction?</p> <p>_____ 15. Which lettered arrow represents energy of the activated complex for the uncatalyzed reaction?</p> <p>_____ 16. Which lettered arrow represents the difference between the activation energies of the catalyzed the uncatalyzed reactions?</p> <p>_____ 17. Which lettered arrow represents the difference between the energies of the activated complex for the catalyzed the uncatalyzed reactions?</p> <p>_____ 18. The reverse reaction is (a) endothermic, (b) exothermic.</p> |
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