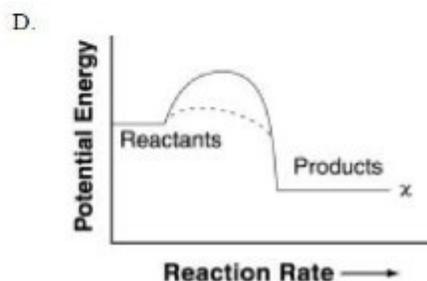
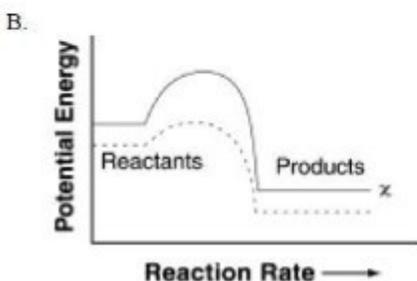
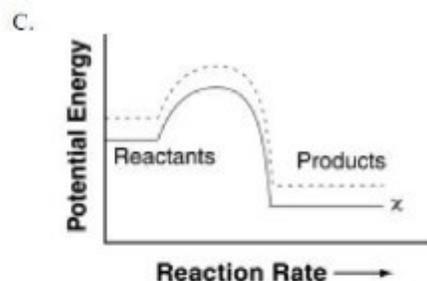
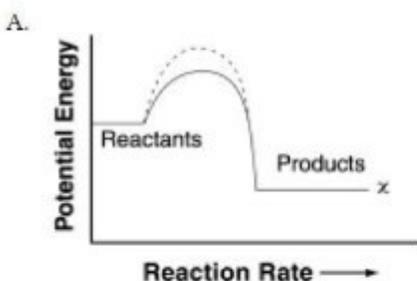


SC.912.L.18.1 – Macromolecules – Example 2 Answer

In living cells, enzymes act as catalysts, which may reduce the amount of activation energy required for a chemical reaction to occur. In the graphs below, pathway x is a solid line representing the uncatalyzed reaction. The dotted line shows the catalyzed reaction. Which graph **best** illustrates the changes in a reaction when the catalyst reduces the amount of energy required?



Answer

D.

A catalyst decreases the activation energy needed for a reaction to occur. This allows the reaction to happen faster.