

Question #83887, Chemistry / General Chemistry | for completion

In the equation $S_8 + 12 O_2 \rightarrow 8 SO_3$, what would be the activated complex?

Answer:

Consider a chemical reaction between reactants A and B to form products C and D. The reactants must collide with each other and interact in order to form the products. Several factors improve the chances that A and B will encounter each other, including increased temperature, increased concentration of reactants, or adding a catalyst. In a reaction with an activated complex, A and B form the complex A-B. The complex only forms if sufficient energy (the activation energy) is present.

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