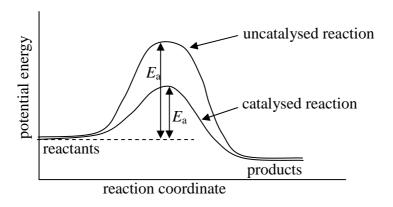
• What is a catalyst and, in general terms, how does it work? Make reference to an energy level diagram in your answer.

A catalyst is a substance that increases the rate of a reaction without being consumed in the reaction.

A catalyst works by providing an alternative reaction pathway of lower activation energy, $E_{\rm a}$.



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