CHEM1902/1904 2008-N-7 November 2008

The reaction is exothermic. Draw the potential energy *vs* reaction coordinate diagram for this mechanism, labelling all species that can be isolated.

Marks 2

From 2008-N-6, the mechanism involves two steps: a slow first step and a fast second step. As the first step is rate determining, it has a higher activation energy. As the reaction is exothermic overall, the products have lower enthalpy than the reactants.

