An **Eyring plot** allows the activation parameters $\Delta S^\ddagger$ and $\Delta H^\ddagger$ to be determined from the temperature dependence of the rate constant; the dotted part of the line represents an extrapolation.

Initial attack by the entering group at a **square planar** Pt(II) centre is from above or below the plane. Nucleophile $Y$ then coordinates to give a trigonal bipyramidal species which loses $X$ with **retention** of stereochemistry.