

Question- In a reaction if it follows the Arrhenius equation, the plot $\ln k$ vs $\frac{1}{RT}$ gives straight line with gradient

$(-y)$ unit. The energy required to activate the reactant is

- <1> y/R unit
- <2> y unit
- <3> yR unit
- <4> $-y$ unit

Answer- <2>

(11 Jan Morning, JEE MAINS 2019)