Arrhenius Equation

$$k = A\, e^{-Ea/RT}$$

$$\ln k = -\,(E_a/R)\,(1/T) + \ln A$$

$$y \;=\; m \;\; x \;+\; b$$

plot ln k v.s. $1/T$ slope = $-E_a/R$

intercept = ln A

$$\ln (k_2/ k_1) = (E_a /R)\,(1/T_1 - 1/T_2)$$