

Exercise Chapter 5 Principle of Chemical Equilibrium

By

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EXERCISE 1



The equilibrium constant of the reaction is shown below;

$$\ln K = A + \frac{B}{T} + \frac{C}{T^3}$$

Assume the reaction occur at 200 K and 300 K with A = -2.05, B = -1186 K and C = 2.1 X 10^7 K³. Compute the standard reaction enthalpy Δ_r H° and standard reaction entropy Δ_r S° at 250 K.

(10 marks)





Authors Information

Credit to the authors: Dr Suriati Ghazali, Dr Sunarti Abd Rahman, Dr Norhayati Abdullah, Dr Izirwan Izhab

