BRAIN INTERNATIONAL SCHOOL

SUBJECT: CHEMISTRY Class: XI WORKSHEET Nov.'24

CHAPTER: Equilirium

- Q1. What is homogenous and heterogeneous equilibrium?
- Q2. Why concentration of solid and liquid is taken as one in finding equilibrium constant
- Q3. One mole of PCl₅ is taken in 5L container at equilibrium state it decomposes 40% then find equilibrium constant.
- Q4. What is reaction quotient?
- Q5. Explain the Le-chatelier, Give three examples.
- Q6.2NH₃ eq.state $N_2 + 3H_2$, Find direction of reaction on increasing pressure.
- Q7.Find relation between Kc and Kp.
- Q8.1 mole of PCl₅ taken in 2L close container, if decomposed 40% at equilibrium state.
- Q9.2A + 3B equilibrium state 2C Kc= 1.2×10^{-3} find Kc if Equation is multiplied by 2.
- Q10. X + 2Y gives 2Z if $Kc = 2.4x10^{-5}$ comment about quantity of product and reactant.
- Q11. Find PH of 0.0004M HCl and 0.0003M NaOH solution.
- Q12. What is a solubility product? Explain giving examples.
- Q13 what will happen if ionic product will be greater than solubility product?