

The Equilibrium Constant

Pre-lesson Assignment - Textbook page160-161

Define the following terms

- Equilibrium Constant

Make notes on the Equilibrium Constant

Use the questions below as a guide

1. Write an expression for an equilibrium constant, K_c , given the equation $aA + bB \rightleftharpoons cC + dD$
2. Explain each term in the above expression.
3. Write an expression for an equilibrium constant given the equation $\text{CH}_3\text{COOH}_{(l)} + \text{CH}_3\text{CH}_2\text{CH}_2\text{OH}_{(l)} \rightleftharpoons \text{CH}_3\text{COOCH}_2\text{CH}_2\text{CH}_3_{(l)} + \text{H}_2\text{O}_{(l)}$
4. Write an expression for an equilibrium constant given the equation $2\text{SO}_{2(g)} + \text{O}_{2(g)} \rightleftharpoons 2\text{SO}_{3(g)}$
5. Explain how the equilibrium constant shows the position of equilibrium.