

Section Review

Objectives

- Describe how the amounts of reactants and products change in a chemical system at equilibrium
- Identify three stresses that can change the equilibrium position of a chemical system
- Explain what the value of K_{eq} indicates about the position of equilibrium

Vocabulary

- reversible reaction
- chemical equilibrium
- equilibrium position
- Le Châtelier's principle
- equilibrium constant (K_{eq})

Key Equation

$$K_{eq} = \frac{[C]^c \times [D]^d}{[A]^a \times [B]^b}$$

When $aA + bB \rightleftharpoons cC + dD$

Part A Completion

Use this completion exercise to check your understanding of the concepts and terms that are introduced in this section. Each blank can be completed with a term, short phrase, or number.

1. A reversible reaction is one in which the reaction can proceed in both directions.

2. A reversible reaction is one in which the reaction can proceed in both directions.

3. A reversible reaction is one in which the reaction can proceed in both directions.

4. A reversible reaction is one in which the reaction can proceed in both directions.

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18 3 Reversible Reactions And Equilibrium Key

B.K. Sharma



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Enzyme Handbook 9 Dietmar Schomburg, Dörte Stephan, 2013-11-11 Recent progress on enzyme immobilisation enzyme production coenzyme re generation and enzyme engineering has opened up fascinating new fields for the potential application of enzymes in a large range of different areas As more progress in research and application of enzymes has been made the lack of an up to date overview of enzyme molecular properties has become more appar ent Therefore we started the development of an enzyme data information sys tem as part of protein design activities at GBF The present book Enzyme Hand book represents the printed version of this data bank In future a computer searchable version will be also available The enzymes in this Handbook are arranged according to the Enzyme Com mission list of enzymes Some 3000 different enzymes will be covered Fre quently enzymes with very different properties are included under the same EC number Although we intend to give a representative overview on the char acteristics and variability of each enzyme the Handbook is not a compendium The reader will have to go to the primary literature for more detailed information Naturally it is not possible to cover all the numerous literature references tor each enzyme for special enzymes up to 40000 if the data representation is to be concise as is intended Objective Question Bank in Chemistry B.K. Sharma, 1997 *How to Pass Dental Aptitude Tests, Questions and Answers* College Publishing Corporation, Brooklyn, 1962 **Chemistry3** Andrew Burrows, John Holman, Andrew Parsons, Gwen Pilling, Gareth Price, 2017 Chemistry3 establishes the fundamental principles of all three strands of chemistry organic inorganic and physical By building on what students have learned at school using carefully worded explanations annotated diagrams and worked examples it presents an approachable introduction to chemistry and its relevance to everyday life *Competition Science Vision* , 2005-03 Competition Science Vision monthly magazine is published by Pratiyogita Darpan Group in India and is one of the best Science monthly magazines available for medical entrance examination students in India Well qualified professionals of Physics Chemistry Zoology and Botany make contributions to this magazine and craft it with focus on providing complete and to the point study material for aspiring candidates The magazine covers General Knowledge Science and Technology news Interviews of toppers of examinations study material of Physics Chemistry Zoology and Botany with model papers reasoning test questions facts quiz contest general awareness and mental ability test in every monthly issue Concepts in Biochemistry William K. Stephenson, 1978 A

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Soviet Physics, Crystallography, 1973

Systematic College Chemistry Lytle Raymond Parks, 1952

Modern Chemistry Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2001

The Nature of Enzyme Action Sir William Maddock Bayliss, 1925

Ludlow-Saylor, **Im-Intr Chem, Act Lrn App** Cracolice, 2003-06

Iron Age, 1946

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