

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 Chatelier's principle
- equilibrium constant (K_{eq})

Key Equation

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

When $a\text{A} + b\text{B} \rightleftharpoons c\text{C} + d\text{D}$

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 sentence, or number.

1. A reaction in which the products are in equilibrium with the reactants is a(n) <u>reversible reaction</u> .	2. The equilibrium constant for a reaction is the ratio of the product of the equilibrium concentrations of the products to the product of the equilibrium concentrations of the reactants.
3. The equilibrium position of a reaction is the point at which the forward and reverse reaction rates are equal.	4. The equilibrium constant for a reaction is a constant that is independent of the initial concentrations of the reactants.
5. The equilibrium constant for a reaction is a constant that is dependent on the temperature.	6. The equilibrium constant for a reaction is a constant that is dependent on the pressure.
7. The equilibrium constant for a reaction is a constant that is dependent on the concentration of the reactants.	8. The equilibrium constant for a reaction is a constant that is dependent on the concentration of the products.
9. The equilibrium constant for a reaction is a constant that is dependent on the concentration of the reactants and products.	10. The equilibrium constant for a reaction is a constant that is dependent on the concentration of the reactants and products.
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Gerald Karp

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Tested Demonstrations in Chemistry Hubert Newcombe Alyea, Frederic B. Dutton, 1962 Chemistry demonstrations from Hubert N Alyea and Frederic B Dutton published in a laboratory manual.

Great Soviet Encyclopedia Aleksandr Mikhaïlovich Prokhorov, 1973 **Journal of the Chemical Society** Chemical Society (Great Britain), 1957 Titles of chemical papers in British and foreign journals included in Quarterly journal v 1-12 **The New Encyclopaedia Britannica: Micropaedia: ready reference and index**. 10 v, 1981 **The New Encyclopaedia Britannica: -[11] Micropaedia: ready reference and index**, 1974 **Journal of Bioscience and Bioengineering**, 2001

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