

Week 10: CHEM 2700 -- Unit 4 - Reaction Rates and Equilibrium

Unit 4: Reaction Rates and Equilibrium - Chemistry is everywhere!

PRACTICE 2 -- Equilibrium Expressions

1. Write an equilibrium expression for each of the following chemical reactions.



$$K_c = \frac{[\text{N}_2\text{O}_4]}{[\text{NO}_2]^2}$$



$$K_c = \frac{[\text{NO}_2]^2}{[\text{N}_2\text{O}_4]}$$



$$K_c = \frac{[\text{NO}_2]^2 [\text{Cl}_2\text{O}_2] [\text{Cl}_2]}{[\text{NO}_2\text{Cl}]^2}$$



$$K_c = \frac{[\text{NO}_2]^2 [\text{Cl}_2]}{[\text{NO}_2\text{Cl}]^2}$$



$$K_c = \frac{[\text{N}_2\text{O}_4] [\text{Cl}_2]^2}{[\text{NO}_2\text{Cl}_2]^2}$$

2. The following equilibria are established between substances. Write an equilibrium expression for each reaction.



$$K_c = \frac{[\text{FeSCN}^{2+}]}{[\text{Fe}^{3+}] [\text{SCN}^-]}$$



$$K_c = \frac{[\text{AgOH}_{(s)}]}{[\text{Ag}^+] [\text{OH}^-]}$$



$$K_c = \frac{[\text{AgCl}_{(s)}]}{[\text{Ag}^+] [\text{Cl}^-]}$$

Packet Reaction Rates And Equilibrium Chemistry Answers

Albert A Gayle



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Scientific and Technical Aerospace Reports ,1994

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Program Planner National Chemistry Physics Earth Science ,2003-11 Prentice Hall Physical Science Concepts in Action helps students make the important connection between the science they read and what they experience every day Relevant content lively explorations and a wealth of hands on activities take students understanding of science beyond the page and into the world around them Now includes even more technology tools and activities to support differentiated instruction

Bulletin of the Atomic Scientists ,1972-10 The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security Founded by Manhattan Project Scientists the Bulletin s

iconic Doomsday Clock stimulates solutions for a safer world **Physical Chemistry of Foods** Pieter Walstra, 2002-10-08
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 Physical Chemistry of Foods describes the physiochemical principles of the reactions and conversions that occur during the
 manufacture handling and storage of foods Coverage progresses from aspects of thermodynamics bonds and interaction
 forces and reaction kinetics to transport phenomena polymers colloidal interactions nucleation glass transitions and freezing
 and soft solids This comprehensive volume effectively clarifies the physicochemical processes encountered in food product
 development *Government Reports Announcements & Index*, 1987 **Air Pollution Modeling and its Application**
XXV Clemens Mensink, George Kallos, 2017-09-14 Current developments in air pollution modelling are explored as a series of
 contributions from researchers at the forefront of their field This newest contribution on air pollution modelling and its
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 assimilation and air quality forecasting model assessment and evaluation aerosol transformation Additionally this work also
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 interested in air pollution modelling at the graduate level as well as researchers and professionals involved in developing and
 utilizing air pollution models **Active Colloids** Juliane Simmchen, William Uspal, Wei Wang, 2024-12-20 Active colloids are
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l 2naoh aq h 2 g 2 moles na produce 1 mole h 2

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