

Chemical equilibrium and analysis

Addison-Wesley Pub. Co. - Chapter 15 Lecture

$L + H \rightleftharpoons LH$	$\log \beta_{H1} = \log \left(\frac{[L][H]}{[LH]} \right) = pK_1$
$L + 2H \rightleftharpoons L_2H$	$\log \beta_{H2} = \log \left(\frac{[L][H]^2}{[L_2H]} \right) = pK_2 + pK_1$
$L + 3H \rightleftharpoons L_3H$	$\log \beta_{H3} = \log \left(\frac{[L][H]^3}{[L_3H]} \right) = pK_3 + pK_2 + pK_1$
$M + L \rightleftharpoons ML$	$\log \beta_{ML} = \log \left(\frac{[M][L]}{[ML]} \right)$
$M + L + H \rightleftharpoons MLH$	$\log \beta_{MLH} = \log \left(\frac{[M][L][H]}{[MLH]} \right)$

Description: -

- Chemical equilibrium
Chemistry, Analytic.Chemical equilibrium and analysis

- Addison-Wesley series in chemistryChemical equilibrium and analysis
Notes: Includes index.
This edition was published in 1981



Filesize: 9.75 MB

Tags: #Chemical #Equilibrium #Lab #Report #Essay

EQS4WIN OverView

Note that something which can only give away one like HCl is known as a monoprotic acid. From left to right toward products 2. For any equilibrium reaction, the ratio of concentrations of the substances on the right to the concentrations of those on the left equals a constant appropriate for that specific reaction.

EDGE

Despite the challenges involved in addressing the K substance. Examples of diprotic acids include, H₂SO₄, H₂S, H₂CO₃, etc.

Chemical reaction equilibrium analysis (1982 edition)

Some things can shift the equilibrium position, but not the value of K.

CEA 2000

Calculate K_p for this reaction at this temperature.

EQS4WIN OverView

For any reaction such as to be at equilibrium the of the forward and backward reverse reactions have to be equal.

Chapter 15 Lecture

Solution Please note that we are given the solubility of CaSO₄ and asked to calculate its K_{sp}.

Related Books

- [Church and state in Luther and Calvin - a comparative study.](#)
- [Developing countries - transport and urban development : proceedings of Seminar H held at the PTRC S](#)
- [Fluid mechanics of combustion - papers presented at a joint Fluids Engineering and CSME conference.](#)
- [Death of Napoleon - the last campaign](#)
- [Sedimentary petrography](#)