



Studies from the Rockefeller Institute for Medical Research Volume 39

By Rockefeller Institute Research

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1921 Excerpt: .the osmotic flow was from the liquid with lower to the liquid with higher surface tension (and higher intrinsic pressure). Tinker has shown that van t Hoff s theory for osmosis holds strictly only in the case of ideal solutions, i.e., when the process of solution occurs without heat of dilution and change in volume, but that in the case of non-ideal solutions Traube s ideas explain the deviations from the gas law which are bound to occur. When two different ideal solutions containing equal numbers of particles of solute in equal volume are separated by a strictly semipermeable membrane, equal.numbers of molecules of water will diffuse simultaneously in opposite directions through the membrane and no change in volume will occur. When, however, the same experiment is made with two non-ideal Presidential address prepared for the Chicago meeting of the American Society of Naturalists, December 30,1920....



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