



Physical Chemistry; Its Bearing on Biology and Medicine

By James Charles Philip

Theclassics.Us, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1915 edition. Excerpt: . CHAPTER VIII ELECTROLYTIC DISSOCIATION; PHYSICAL AND BIOLOGICAL APPLICATIONS In the foregoing chapter the behaviour of acids, bases, and salts in aqueous solution has been contrasted with that of non-electrolytes, and it has been shown how the study of electrolytic solutions led up to the theory of ionic dissociation. The evidence discussed so far has been of a purely physical kind, but the theory has a highly important bearing on many physiological problems as well as on questions connected with the general behaviour of electrolytic solutions. As a preliminary, therefore, to a further consideration of the ionic hypothesis in its various aspects, it may be desirable to mention one or two facts which indicate the part played by electrolytes in the living organism. The Conductivity of Physiological Fluids.--The fluids which bathe the tissues of plants and animals are electrolytic solutions. They contain, it is...



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