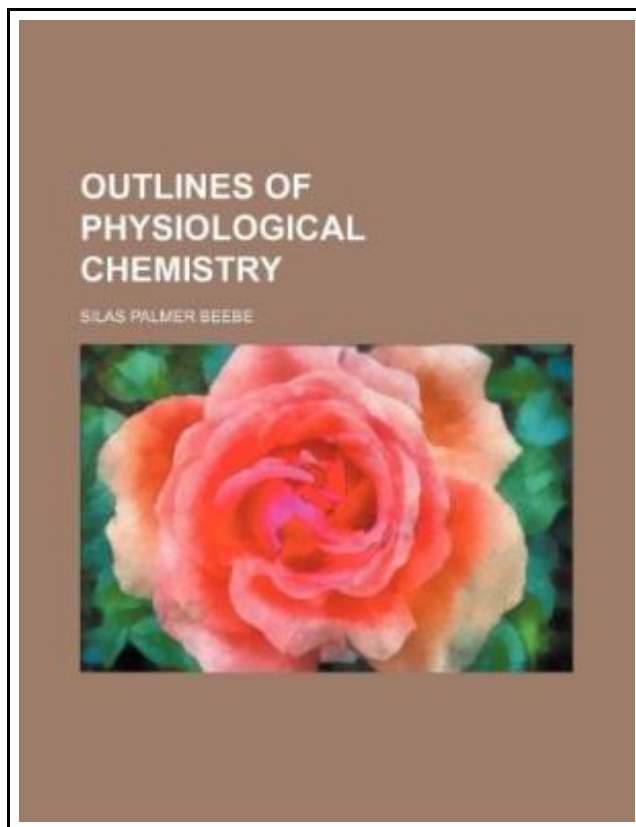


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Reviews

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(Dr. Kayden Gerlach)

OUTLINES OF PHYSIOLOGICAL CHEMISTRY (PAPERBACK)



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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. 1904 Excerpt: .not exist preformed as such in the original molecule. Hydrolysis, effected by means of boiling with dilute mineral acids, or by treating with digestive enzymes, such as trypsin, at body temperature, is much more satisfactory because: 1. The process can be accurately regulated. 2. The fragments obtained probably exist preformed as such in the original molecule. These fragments combined together go to build up the proteid molecule, so they are called its nuclei. The object is to get out the nuclei as nearly intact as possible. It has been said that albumens on hydrolysis yield the proteoses as intermediate products. The proteoses are called intermediate products because, on carrying on the hydrolysis still further, they can be split up into the comparatively simple nuclei. $\text{Proteid} + n(\text{H}_2\text{O}) = \text{Proteoses}$. $\text{Proteoses} + n(\text{H}_2\text{O}) = \text{Nuclei}$. We may now briefly consider: 1. Products of hydrolysis. 2. Products of oxidation. 3. Products of bacterial action. 4. Products of body cells. 1. Products of Hydrolysis. Proteids on hydrolysis have been found to yield the following list of nuclei, though not all of them are found in all proteids. The principal ones only are given. A. Monoamino Acids. 1. Aminoacetic acid (Glycocoll), $\text{CH}_2\text{NH}_2 \cdot \text{COOH}$. 2. Aminopropionic acid (Alanin C3), $\text{CH}_3 \cdot \text{CHNH}_2 \cdot \text{COOH}$. 3. a aminocaproic acid (Leucin C6), $\text{CH}_3 \cdot (\text{CH}_2)_3 \cdot \text{CHNH}_2 \cdot \text{COOH}$. B. Amino Diacids. 4. Amino succinic acid (Asparaginic acid C4), $\text{COOH} \cdot \text{CHNH}_2 \cdot \text{CH}_2 \cdot \text{COOH}$. 5. Aminoglutaric acid (Glutamic acid C6), $\text{COOH} \cdot \text{CHNH}_2 \cdot (\text{CH}_2)_2 \cdot \text{COOH}$. C. Diamino Acids. 6. Diamino acetic acid, $\text{CH}(\text{NH}_2)_2 \cdot \text{COOH}$. 7. a, S,...



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