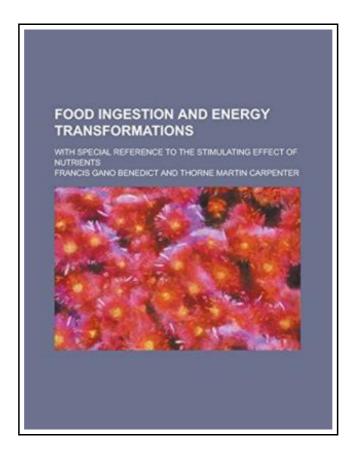
Food Ingestion and Energy Transformations; With Special Reference to the Stimulating Effect of Nutrients



Filesize: 3.75 MB

Reviews

Extensive information! Its this type of excellent study. I have read and i am sure that i will gonna go through yet again once more down the road. Once you begin to read the book, it is extremely difficult to leave it before concluding.

(Aliyah Mayer)

FOOD INGESTION AND ENERGY TRANSFORMATIONS; WITH SPECIAL REFERENCE TO THE STIMULATING EFFECT OF NUTRIENTS



Rarebooksclub.com, 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. 1918 edition. Excerpt: to compare the direct measurements of the heat output with the values calculated from the gaseous metabolism. For this particular experiment, therefore, the values obtained by indirect calorimetry are also recorded, although it should again be emphasized that the values for the indirect heat are not given for the specific purpose of noting the increment above the basal value but simply to obtain the general trend of the metabolism from period to period for comparison with the direct measurements of the heat production. Aside from the first period, in which the computed heat is 16 calories higher than the determined, all the values found by direct calorimetry are higher than those computed. The average for the entire experiment shows a discrepancy between the values obtained by the two methods of approximately 6 per cent. While this discrepancy appears very large in the light of the recent exact work of Du Bois, it should be remembered that this particular calorimeter had a very large volume and was primarily designed for 24-hour experiments. The lack of agreement between the direct and indirect calorimetry in these short periods is, therefore, not so incongruous as at first sight appears. results obtained are given in table 102. Practically the entire increment in the carbon-dioxide production was found in the first hour. The oxygen consumption showed almost no increase after the ingestion of the carbohydrate; in fact, there was a total decrease of 5 grams. The slight increase in the...

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