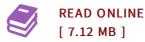




A text-book of general physics for the use of colleges and scientific schools

By Charles Sheldon Hastings

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 178 pages. Dimensions: 9.7in. x 7.4in. x 0.4in. 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. 1900 Excerpt: . . . its atomic mass divided by its valence in the compound electrolyzed. Thus, let q stand for the quantity of electricity which passes any point of the circuit, m the total mass liberated, A the atomic mass of the ion, and V its valence. Then (4) m kq--, where k is a constant depending only on the units employed. If t denote the time of flow of the steady current t, equation 4 may be written kA. (5) m --zt ett, kA by writing e --. e is called the electro-chemical equivalent. It is found by experiment that one ampere, flowing for one second, deposits 0. 001118 gin. of silver. Taking the atomic mass of silver as 108, that is, 0 16, the value of k is found to be 1. 035(10), from which the electro-chemical equivalents of the other elements may be calculated. Thus, by equation...



Reviews

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