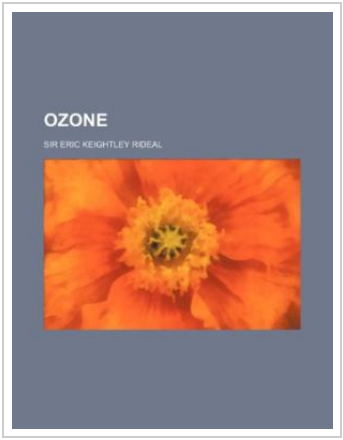

Ozone

By Eric Keightley Rideal

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. 1920 edition. Excerpt: . 9-0 volts. This value is in extremely good agreement with that calculated from the critical wave length requisite for ionisation by absorption of ultra-violet light quanta. It is evident that the requisite energy equal to Ye can be supplied by the kinetic energy lost by an impinging electron, i.e. l/2mi?, or by the absorption of a light quantum hv thus--Ve = l/2m. vs = hv. Taking = 135 /m/i we obtain the value 9 20 volte for the value of V determined in this manner. A value of 8 6 volts being obtained by Compton (Phys. Eev., 8, 412, 1916), by calculation of the work necessary to remove a valency electron from an atom possessing Bohr s hypothetical structure. Quantitative agreement between the yield of ozone calculated and that actually obtained has, as has already been mentioned, been shown to hold for the...

Reviews

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