



The Interpretation of Radium; Being the Substance of Six Free Popular Experimental Lectures Delivered at the University of Glasgow (Paperback)

By Frederick Soddy

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. 1912 edition. Excerpt: .strips. The uppermost (I) is ordinary helium. The second and third (II and III) are two photographs obtained from the gas generated by radium. In the second an exposure of twenty minutes, and in the third one of five minutes I38 HELIUM FROM URANIUM AND THORIUM were given. The lowest spectrum (IV) is that of hydrogen. It will be seen that many of the helium lines are present in the spectrum of the gas from radium. The other lines are those of hydrogen, due, no doubt, to the presence of a trace of moisture. The figures above and below the plate refer to the stronger lines of helium and hydrogen respectively clearly visible in photograph II. They refer to the wave-lengths in Angstrom units (10 metre). It must be remembered that the (visually) brilliant yellow line Ds, owing to its colour, appears far less...

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