



Physical Review Volume 27

By American Institute Of Physics

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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1908 edition. Excerpt: .these tables it may be seen that the photo-electric activity of all the metals is increased by use as anode in a glow current in hydrogen while none of them, with the exception of silver in nitrogen, exhibits this property in any of the other gases. This exception makes it probable that there is an absorption of nitrogen by silver or the formation of a chemical compound sufficiently unstable to allow the nitrogen to play with the silver a part similar to that universally played with all metals by hydrogen. To test this supposition carbon, which is known to absorb nitrogen readily, was also tried and found to show a slight increase after use as anode in this gas--which results are given in the foregoing tables. 7. Change with Time of Exposure.--Tests were also made of the rate of increase of the photo-electric activity...



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