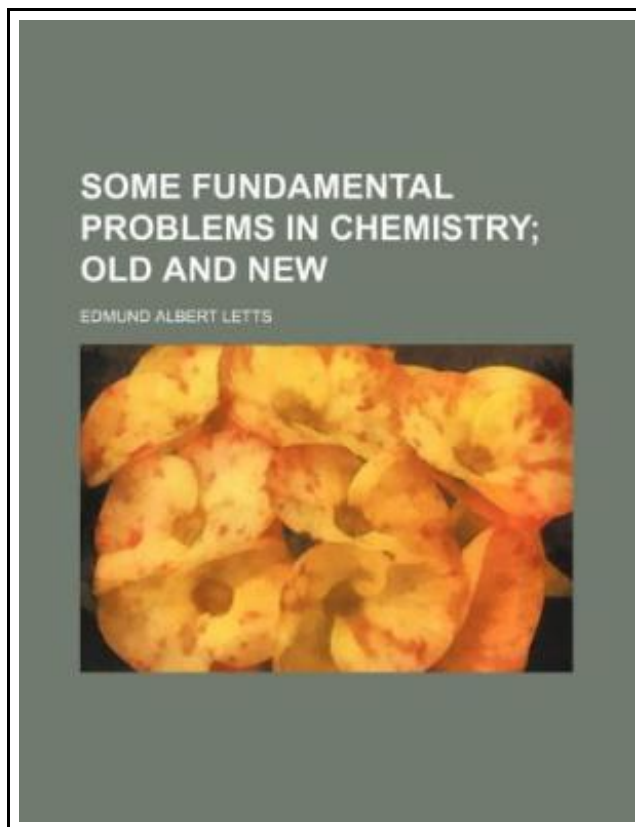


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Reviews

This book is really gripping and fascinating. Of course, it is actually play, nonetheless an interesting and amazing literature. You will not feel monotony at anytime of the time (that's what catalogs are for about if you request me).

(Delbert Gleason)

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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. 1914 Excerpt: .lilac to blue; in silica it is blue; in lead-potash glass, bluish-green, and in soda glass lilac. When compressed strongly in soda glass, the colour reminds one of the cyanogen flame, at once blue and pink. On cooling further the liquid solidifies, and ceases to transmit light; on warming it again becomes transparent. This gave a means of determining its melting point, using a pentano thermometer, which registered correctly at 78-3. The actual temperature at which the emanation melts is 71. Properties of the solid emanation.-- On further cooling with alcohol cooled with liquid air, the colour of the phosphorescence changes. The solid glows with great brilliancy, like a small steel blue arc light. Further reduction of temperature changes the colour to yellow, and in liquid air it is brilliant orange red, the colour change takes place in inverse order on warming. The red phosphorescence disappears pretty sharply at 118 degrees. All these phenomena were observed with a microscope the objective of which was about one inch focal length. Spectrum of the emanation.--First mapped in 1904 by Ramsay and Collie, and later in 1908 by Rutherford and Royds, also by Cameron and Ramsay and finally by Watson,¹ shows about 60 characteristic lines. Other properties of the emanation.--(1) Evolution of energy.--Recent work (in Exner s laboratory at Vienna) indicates that the heat evolution per gram of radium is 118 calories per hour, and Rutherford has shown that the emanation, with its rapidly decaying products (which will be...



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