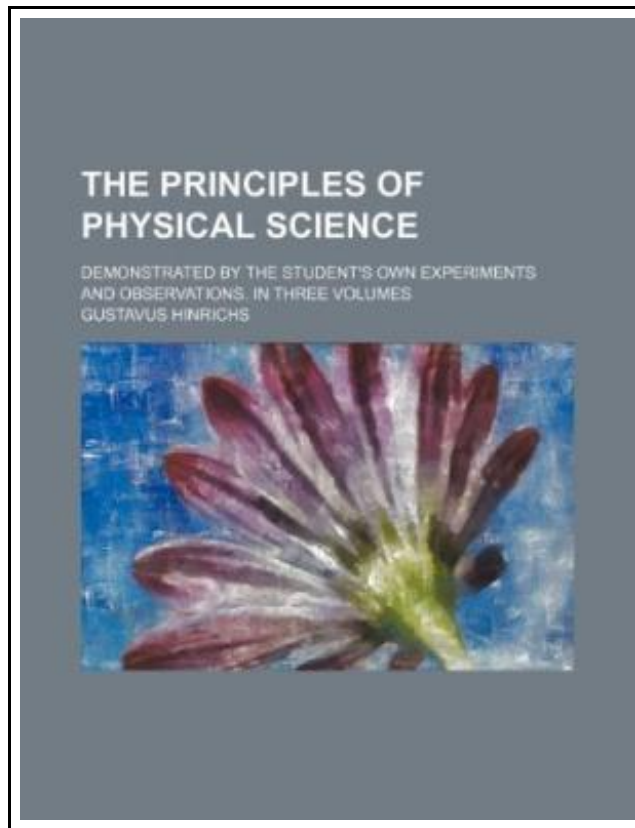


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Reviews

This publication is definitely not simple to begin on studying but really exciting to read. It is actually rally fascinating through reading time. Your life span will be enhance when you complete looking at this publication.

(Laurence Littell)

THE PRINCIPLES OF PHYSICAL SCIENCE; DEMONSTRATED BY THE STUDENT S OWN EXPERIMENTS AND OBSERVATIONS. IN THREE VOLUMES



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. 1874 Excerpt: . (191 to 197; also, 225). They produce, with platinic chloride, a chloroplatinate which is crystallizable--precisely as do the ammonium salts. 268. It may be sufficient here to give a tabular view of the composition of the principal alkaloids: Conine Nicotine Solids: Morphine. Codeine Thebaine. Papaverine. Narcotine. Narceine. Strychnine Brucine. Quinine Cinchonine Cafeine, or Theine Theobromine. EXTRACTED FROM: Black Pepper. Hemlock. Tobacco, 2 to 8 \$ ct. Opium, the dried juice of the head of the poppy (papaver somniferum). Opium contains 10 to 15 f ct. of morphine. Strychnos nux vomica and J Strychnos Ignatiua. 1 Bark of J Cinchona. Coffee, 1 f ct., / Tea, 2 ct. 269. Of these alkaloids, only conine has, thus far, been obtained by synthesis; the others have been exclusively extracted from the vegetable substances named. Their salts, such as the chlorides and sulphates, are soluble in water; hence an acid solution, shaken with ether or chloroform, will give off fatty matters, etc., but not the alkaloid. But as they are displaced from their aqueous solution by potassium or ammonium hydrate, and as they are soluble in ether or chloroform, an alkaline soluExtraction of Alkaloids. 99 i tion will, when shaken with ether or chloroform, yield, the alkaloid to the ether or chloroform, from which it is usually obtained pure (and crystallized) upon the spontaneous volatilization of the solvent. (Stas s Method.) 270. Thus, strychnine is best extracted by first filtering an acid solution of the raw material, then adding...



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