



## Science of Plant Life; A High School Botany Treating of the Plant and Its Relation to the Environment (Paperback)

By Edgar Nelson Transeau

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. 1919 Excerpt: . for a few minutes, it will be found to have increased in weight and in length, breadth, and thickness. The gelatin, instead of being brittle, is now soft and pliable; it is also more transparent than it was. The increase in size and weight is explained by the fact that particles of water have forced their way between the particles of the gelatin, spreading them apart. Since the gelatin particles have been forced farther apart, the gelatin is more pliable and the particles cling to one another less firmly. Hence when a piece of dry wood is put into water, it imbibes water and swells. The cell walls of a root, like wood, are largely composed of cellulose and they take up water in the same way. When dry seeds are placed in water, they imbibe water and increase in size. Indeed, most organic substances have...



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