



School Life, and Its Influence on Sight (Classic Reprint) (Paperback)

By George Reuling

Forgotten Books, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from School Life, and Its Influence on Sight When we look at near objects a change takes place in the interior of the eye, which change is associated with a certain exertion. The eye being an optical instrument is supplied with a lens, which grows more convex in order to produce images of very close objects upon the retina. This increased curvature is brought about in the following manner: The anterior surface of the lens gets to be more convex and moves forwards, whilst the posterior surface, although it also becomes more convex, does not change its position. The ciliary muscle produces this change in the curvature of the lens; according to late experiments the rationale of this action is to be explained in the following way The ciliary muscle, or the muscle of the accommodation, contracts and pulls the second lining membrane of the internal eye, the choroid, forwards, the anterior and internal margin of the ciliary body inwards, and lengthens the fibres of the ligament which subtends the lens; by this means the space around the iris is...

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