



## First Lessons in Physical Science; For Use in Grammar Schools

By Elroy McKendree Avery

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. 1897 Excerpt: . with a thimble. This alcohol lamp Fig. 66. will be very convenient in many of our experiments in heat. Any small bottle through the cork of which a short metal or glass tube passes may be used instead of the oil can. Hold one end of a piece of stout copper wire about 4 inches long in the flame of the lamp. Why does the cool end of the wire become hot? The flow of heat from the hotter to the cooler parts of a body, the heat-motion passing from molecule to molecule, is called conduction. Experiment 82--Repeat Experiment 81, using the stem of a clay pipe, or a slate pencil, instead of the wire. Does the heat-motion move from molecule to molecule as easily now as it did in the wire? We say that the pipe-stem and the pencil are poor conductors of heat,...



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