



Arithmetical Physics. Acoustics, Light Heat. Elementary Stage

By Charles Josiah Woodward

Rarebooksclub.com, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1884 edition. Excerpt: .existing between the pressure, temperature, and density of a given gas. How is it proved that when a gas expands its temperature is diminished? (1, 1880.) 6. Sound is said to travel about four times as fast in water as in air. How has this been proved? State your reasons for thinking whether sound travels faster or slower in oil than in water. (1, 1881.) 7. A tuning fork is set in vibration and you hear its note. The sound is conveyed to your ear by the motion of the air particles in the room. Explain how, and in what direction, the particles move, and state how their motion would be modified if the fork were made to give a louder sound. (1, 1882.) 8. Explain in what way the velocity of sound in water has been experimentally determined. (3, 1884.) 9. A tube, 1000...



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