



## First Principles of Physics; Or Natural Philosophy, Designed for the Use of Schools and Colleges (Paperback)

By Benjamin Silliman

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. 1859 Excerpt: .heat of aeriform bodies, like that of solids and liquids, increases by condensation and diminishes by rarefaction. The continued diminution in temperature as we ascend in the atmosphere, is due chiefly to this cause. The average diminution in temperature in ascending from the sea level is 1F. for every 300 feet Supposing the average temperature of the air at the level of the sea, near the equator, to be 80, and toward the poles 0, the figures in the second and third column of the following table will express approximately the temperature at different elevations. Decrease of temperature in the atmosphere from elevation. 603. Specific heat of the same body in a liquid or solid state. A body in the liquid state has a greater specific heat than when it is in the solid form, as might naturally be concluded from the fact, that the addition...



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