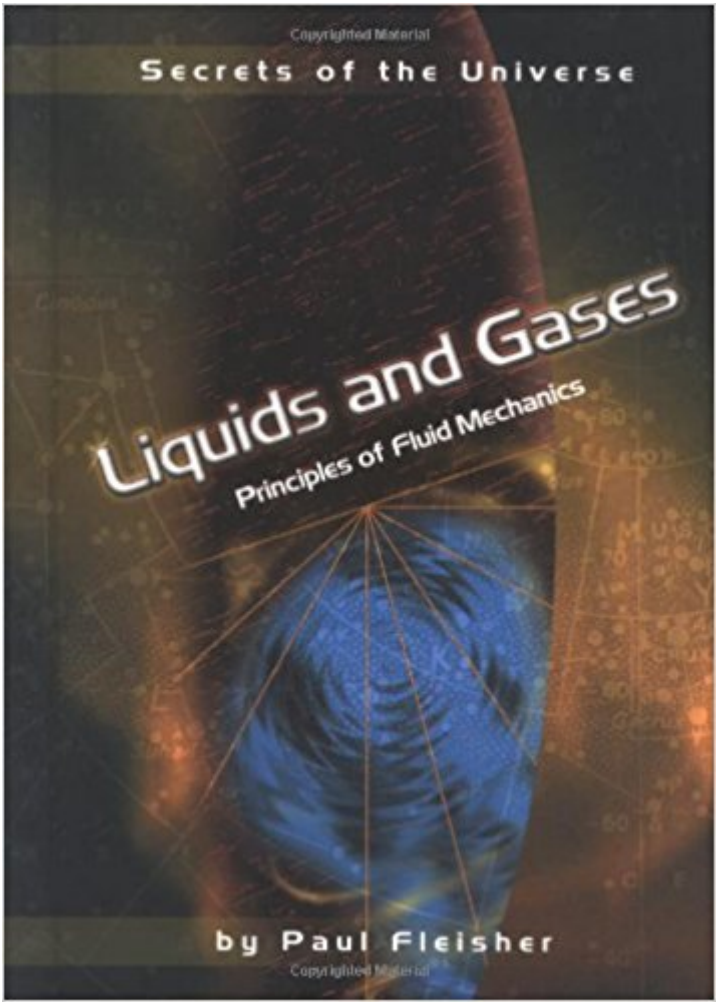
Liquids And Gases: Principles Of Fluid Mechanics (Secrets Of The Universe)



Synopsis

Discusses the scientific principles of fluid mechanics that allow basketballs to bounce and hot-air balloons to rise, demonstrating the behavior of liquids and gases through simple illustrations and experiments.

Book Information

Series: Secrets of the Universe

Hardcover: 55 pages

Publisher: Twenty-First Century Books (September 1, 2001)

Language: English

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Product Dimensions: 8.7 x 6.4 x 0.4 inches

Shipping Weight: 8 ounces

Average Customer Review: 5.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #236,668 in Books (See Top 100 in Books) #6 inÃ Â Books > Engineering & Transportation > Engineering > Aerospace > Gas Dynamics #126 inÃ Â Books > Children's Books > Education & Reference > Science Studies > Physics #2964 inÃ Â Books > Science & Math > Physics

Age Range: 11 - 17 years

Grade Level: 6 - 12

Customer Reviews

Grade 6 Up-Adapted from the author's Secrets of the Universe: Discovering the Universal Laws of Science (Atheneum, 1987; o.p.), these titles each provide a brief introduction to the laws and principles governing a specific area of science. The clean layout and concise coverage include activities for further study, although they would not be appropriate for science-fair projects. The texts are almost identical to the corresponding chapters in the original, but they are supplemented here with clear, two-color line drawings and diagrams. In Liquids, the chapters focus on Archimedes's principle, Pascal's law, Boyle's and Charles's laws, and Bernoulli's principle, although other scientists are covered. Waves covers optics, the laws of electromagnetism, and electric current (Ohm's law and Joule's law). Libraries that already own Secrets of the Universe may want to skip these titles, but many will feel that they merit consideration because of their appealing format and focused subject areas.Maren Ostergard, Bellevue Regional Library, WA

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This is part of a 5 set of books.

I bought all the books from Secrets if the Universe series. Easy to read, placed in history, I gave them to my children to introduce them to science. I enjoy reading them myself. Highly recommended.

Liquids and Gases: Principles of Fluid Mechanics (Secrets of the Universe) What Is the World Made Of?: All About Solids, Liquids, and Gases (Let's-Read-and-Find-Out Science 2) DARK ENERGY: The Biggest Mystery In The Universe (dark matter, how the universe works, holographic universe, quantum physics) (black holes, parallel universe, the string theory) Change It!: Solids, Liquids, Gases and You (Primary Physical Science) Solids, Liquids, And Gases (Rookie Read-About Science) Joe-Joe the Wizard Brews Up Solids, Liquids, and Gases (In the Science Lab) Many Kinds of Matter: A Look at Solids, Liquids, and Gases (Lightning Bolt Books) The Properties of Gases and Liquids Properties of Gases and Liquids The Molecular Theory of Gases and Liquids Handbook of Physical Properties of Liquids and Gases Solids, Liquids, Gases (Simply Science) The Mathematical Theory of Non-uniform Gases: An Account of the Kinetic Theory of Viscosity, Thermal Conduction and Diffusion in Gases (Cambridge Mathematical Library) Computational Fluid Mechanics and Heat Transfer, Third Edition (Series in Computational and Physical Processes in Mechanics and Thermal Sciences) Computational Fluid Mechanics and Heat Transfer, Second Edition (Series in Computional and Physical Processes in Mechanics and Thermal Sciences) Biofluid Mechanics, Second Edition: An Introduction to Fluid Mechanics, Macrocirculation, and Microcirculation (Biomedical Engineering) Kinetic theory of gases,: With an introduction to statistical mechanics, (International series in physics) Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice, 4e (Fluid Therapy In Small Animal Practice) Fox and McDonald's Introduction to Fluid Mechanics Fluid Mechanics Fundamentals and Applications (Mechanical Engineering)