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Now in a new edition, this book continues to set the standard for teaching readers how to be effective problem solvers, emphasizing the authors's signature methodologies that have taught over a half million students worldwide. This new edition provides a student-friendly approach that emphasizes the relevance of thermodynamics principles to some of the most critical issues of today and coming decades, including a wealth of integrated coverage of energy and the environment, biomedical/bioengineering, as well as emerging technologies. Visualization skills are developed and basic principles demonstrated through a complete set of animations that have been interwoven throughout.

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A comprehensive, best-selling introduction to the basics of engineering thermodynamics. Requiring only college-level physics and calculus, this popular book includes a realistic art program to give more realism to engineering devices and systems. A tested and

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