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education in a context that is grounded and significant. It is written by a college professor of Physics and Science Education who spent sabbatical year as a full time science teacher in a neighborhood high school in a poor area of New York City. His varied experiences highlight the contrast of what science education is and what it can be. The framework through which the book is written is that science education should be an active, purposeful process which promotes functional understanding and critical thinking. Science learners should be given the opportunity to build an understanding of benchmark principals of science based on their own observations and reasoning. In much the same way, this book explores benchmark principals of science education through real classroom experiences. Standard approaches of teaching and assessment are presented and alternative opportunities are described. Theories and strategies of science education emerge from analysis of classroom observations. Although the focus is on the teaching and learning of science, the subtext is implications of a failing educational system and what can be done about it. The primary intended audience is educators of all capacities, but particularly

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science teachers. An inquiry into science education integrates critical topics of science education in a contextualized, accessible, and easy to read narrative. The secondary intended audience is non-fiction readers. This book examines educational issues relevant to a general audience from the perspective of a scientist with a focus on inquiry and reasoning. Critical issues are addressed through case histories, some with touches of humor, but all with insight into children and learning.

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exam? Try our focused practice questions inside the book. Then take our full-length online practice exam to ensure you're ready for test day. If you're cramming for the exam or looking for a concise course review, Crash Course is the study guide every AP student needs. About the Author Amy Johnson holds a B.A. in Physics Teaching from Brigham Young University and an M.A. in Physics Education from Smith College. She currently serves as the Director of Science Services for Massachusetts' Mass Math + Science Initiative (MMSI). She has been teaching Physics for more than 10 years at both the high school and college levels. As a teacher for Northampton (Mass.) High School, Ms. Johnson worked to expand the AP Physics program to include both AP Physics B and C. Apart from broadening the program, she also helped students achieve success in their physics education and preparation for college. Ms. Johnson has also taught Physics for Middle School Science Teachers at the University of Massachusetts Amherst. She is the recipient of the Harold Grinspoon New Teacher of the Year Award, as well as the National Math and Science Initiative Science Teacher of the Year Award.

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This book is a collection of 954 multiple-choice questions in waves, thermodynamics, electricity, and magnetism. These questions have been given, over couple of years, to the students of General Physics II course (Phys102) at King Fahd University of Petroleum and Minerals. They are organized according to the sections of Phys102 textbook: Fundamental of Physics by Halliday, Resnick and Walker, 6th edition. This collection might be very helpful for students preparing for exams in Phys102 or similar courses. We advise students strongly to study and understand the course material very well before attempting practicing some of these questions. Instructors might also find this book a valuable source for questions that can be used in examples or tests. The statistics provided with some of the questions might be very valuable in comparing performances. رشنلل نالابعل

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