



Physics Workbook For Dummies

By Steven Holzner

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Do you have a handle on basic physics terms and concepts, but your problem-solving skills could use some static friction? *Physics Workbook for Dummies* helps you build upon what you already know to learn how to solve the most common physics problems with confidence and ease.

Physics Workbook for Dummies gets the ball rolling with a brief overview of the nuts and bolts (i.e., converting measures, counting significant figures, applying math skills to physics problems, etc.) before getting into the nitty gritty. If you're already a pro on the fundamentals, you can skip this section and jump right into the practice problems. There, you'll get the lowdown on how to take your problem-solving skills to a whole new plane—without ever feeling like you've been left spiraling down a black hole.

With easy-to-follow instructions and practical tips, *Physics Workbook for Dummies* shows you how to unleash your inner Einstein to solve hundreds of problems in all facets of physics, such as:

- Acceleration, distance, and time
- Vectors
- Force
- Circular motion
- Momentum and kinetic energy
- Rotational kinematics and rotational dynamics
- Potential and kinetic energy
- Thermodynamics
- Electricity and magnetism

Complete answer explanations are included for all problems so you can see where you went wrong (or right). Plus, you'll get the inside scoop on the ten most common mistakes people make when solving physics problems—and how to avoid them.

When push comes to shove, this friendly guide is just what you need to set your physics problem-solving skills in motion!

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Editorial Review

From the Back Cover

From Kirchhoff's laws to Carnot engines — solve physics problems with ease

Got a grasp on the physics terms and concepts you need to know, but get lost halfway through a problem or, worse, don't know where to begin? No worries — this hands-on guide helps you solve the many types of physics problems you encounter in a focused, step-by-step manner. With just enough refresher explanations before each set of problems, you'll sharpen your skills and improve your performance. You'll see how to work with motion, kinetic energy, thermodynamics, electricity, and more!

- Step-by-step answer sets clearly identify where you went wrong (or right) with a problem
- Get the inside scoop on the Big Three: acceleration, distance, and time
- Know where to begin and how to solve the most common physics problems
- Use physics in practical applications with confidence

About the Author

Steven Holzner is the award-winning author of more than 100 books, including *Physics For Dummies*. He did his undergraduate work in physics at Massachusetts Institute of Technology (MIT) and got his PhD from Cornell University. He's been on the faculty of Cornell for ten years, teaching Physics 101 and Physics 102, as well as on the faculty of MIT.

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Bill Underhill:

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