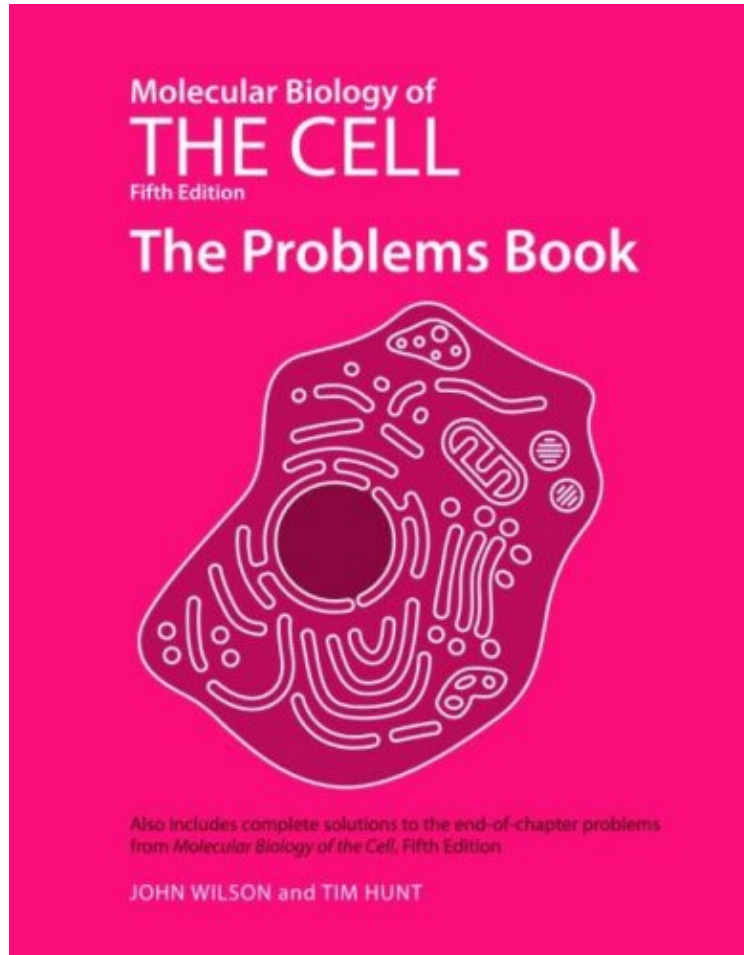


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Molecular Biology of the Cell, Fifth Edition: The Problems Book

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This was a required purchase for my Molecular Cell Biology course, which I am currently enrolled (Undergraduate class). Most of the problems that are in this book are heavily orientated around conceptual ideas rather than specific nitty gritty details. This is great because our professor assigns us the questions that will be on the problems test, but with the chance to have the question worded slightly different to affect the answer (we are not supposed to memorize the answer, rather understand the concepts that are being questioned). The solutions DVD that comes with the book is

really nice and offers an easily searchable layout to find the chapters answers that you are looking for. Everything is explained very nicely and I very rarely find myself having to go back to the book for clarification for the answer's reasoning. This is what makes this book deserve five out of five stars. I would recommend this book to any one of my colleges, however they probably already have it. 5 of 5 people found the following review helpful. Must Have! By Viraj Make sure you buy one that includes the CDs! some of the used ones available on don't come with the CD which contains the solutions to all the problems. Without the CD this book is not very helpful, but with the solutions, it is a life saver.

The Problems Book helps students appreciate the ways in which experiments and simple calculations can lead to an understanding of how cells work by introducing the experimental foundation of cell and molecular biology. Each chapter will review key terms, test for understanding basic concepts, and pose research-based problems. The Problems Book has been designed to correspond with the first twenty chapters of Molecular Biology of the Cell, Fifth Edition. Includes the solutions to the end-of-chapter problems in the textbook Molecular Biology of the Cell, Fifth Edition. Contains over 2,000 problems and their solutions. All of the solutions to the problems in The Problems Book are on the CD-ROM that is packaged with every copy of the book. The problems are organized into the following categories: Terms to Learn, Definitions, True/False, Thought Problems, Calculations, and Data Handling. The Problems Book will be useful for homework assignments and as a basis for class discussion. It could even provide inspiration for exam questions.

About the Author John Wilson received his PhD from the California Institute of Technology and did his postdoctoral work at Stanford University. He is currently Professor of Biochemistry and Molecular Biology at Baylor College of Medicine, with research interests in genome stability and gene therapy. He has taught medical and graduate students for many years, co authored books on immunology, molecular biology, and biochemistry, and received numerous teaching honors, including the Distinguished Faculty and Robertson Presidential Awards for excellence in education. Tim Hunt received his PhD in biochemistry from Cambridge University, where he supervised undergraduates in cell biology for more than 20 years. He spent many summers in the late 1970s and early 1980s teaching molecular biology at the Marine Biological Laboratories in Woods Hole, Massachusetts. In 1990, he moved to a position at ICRF Clare Hall Laboratories just outside London, where he works on the control of the cell cycle. He is a Fellow of The Royal Society of London and a foreign associate of the US National Academy of Sciences. In recognition of his contribution to the discovery of key regulators of cell cycle, he was one of the recipients of the 2001 Nobel Prize for Physiology or Medicine.