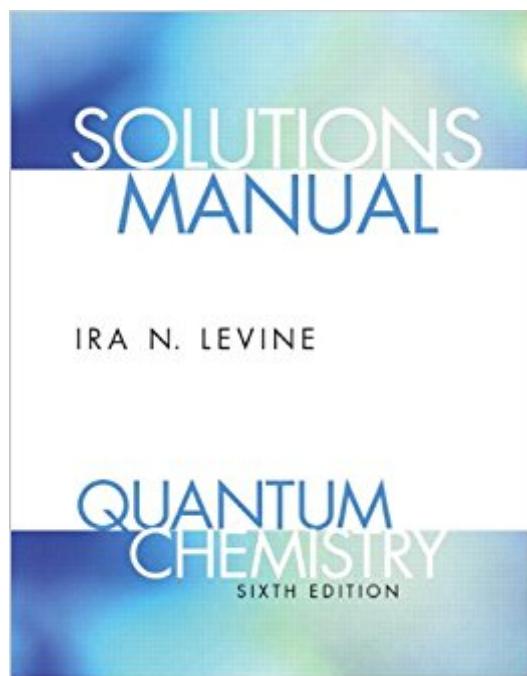


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# Student Solutions Manual For Quantum Chemistry



## Synopsis

Integrating many new computer-oriented examples and problems throughout, this modern introduction to quantum chemistry covers quantum mechanics, atomic structure, and molecular electronics, and clearly demonstrates the usefulness and limitations of current quantum-mechanical methods for the calculation of molecular properties. Covers such areas as the Schrödinger Equation, harmonic oscillator, angular momentum, hydrogen atom, theorems of quantum mechanics, electron spin and the Pauli Principle, the Virial Theorem and the Hellmann-Feynman Theorem, and more. Contains solid presentations of the mathematics needed for quantum chemistry, clearly explaining difficult or subtle points in detail. Offers full, step-by-step examinations of derivations that are easy to follow and understand. Offers comprehensive coverage of recent, revolutionary advances in modern quantum-chemistry methods for calculating molecular electronic structure, including the ab initio and semiempirical methods for molecular calculations. Now integrates over 500 problems throughout, with a substantial increase in the amount of computer applications, and fully updated discussions of molecular electronic structure calculations. For professionals in all branches of chemistry.

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having a B.S. in chemistry and now finishing a M.S. in chemistry, solutions manuals are always helpful when you are doing your homework and can't quite get to the answer on your own. this solutions manual is slightly less "clear" on the work to get to the answer but nonetheless has 85-90% of the work on the paper for you to follow. being quantum chemistry, it's a must buy because you're never going to know everything but with this you can try to better understand it.

Unlike a typical student solutions manual, this book has worked out answers to ALL of the problems in the book.

This solutions manual is fantastic. It actually leads you through most of the problems so that if you accidentally make a simple error, then you can easily find out what you did wrong. However, some of the problems from the book are ridiculous to begin with, so the solutions manual isn't necessarily helpful for them. The manual is in good quality.

Otherwise, fits the bill for a student solutions manual. The problem answers are written in a decent-sized font so it is easy to read even though quite a few equations are complicated.

The book provides detailed and full solutions to the problems and exercises of the book. It gives you good explanations and step by step calculations

The solutions manual give a non-detailed (by this I mean that some steps are omitted) solution to

the chapter problems. Enough support is provided that with a little effort the problem can be figured out. This allows you to get the correct answers and still learn the content.

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