Atkins' Physical Chemistry
Eleventh Edition
by Peter Atkins, Julio de Paula, and James Keeler
Paperback | 1,040 pages | 219 x 279mm
Special Introductory Price: 7,600 yen + tax

- Highly respected and well-established text which evolves with every edition to meet the needs of current students
- Exceptional mathematical support - including annotated equations, equation checklists, and chemists toolkit sections - enables students to master the maths that underlies physical chemistry
- The development of problem solving and analytical skills is actively encouraged by frequent worked examples, self-tests, discussion questions, exercises, and problems
- A range of other learning features, including brief illustrations and key concept checklists are incorporated throughout to aid students in their study of physical chemistry

New to this Edition:
- Significant re-working of the books structure improves digestibility and flexibility; material has been broken down into short ‘Topics’ which are organized into ‘Focus’ sections
- Three questions at the beginning of each topic engage and focus the attention of the reader: ‘Why do you need to know this material?’, ‘What is the key idea?’, and ‘What do you need to know already?’
- Expanded and redistributed support includes new ‘chemist's toolkits’ which provide students with succinct reminders of mathematical, physical, and chemical concepts and techniques at the point of use
- An alternative approach to derivation of equations is used to demonstrate the absolute centrality of mathematics to physical chemistry by bringing the reader to the point where progress can be made only by doing some maths. In this new ‘How is that done’ approach the reader is brought to a question, then the maths is used to show how it can be answered and progress made
- Checklists of key concepts at the end of each topic reinforce the main take-home messages from the material just covered
- End of Topic and Focus problems have been rewritten with the goal of leading the reader to a solution, breaking them down into clear steps and encouraging problem-solving skills

The exceptional quality of previous editions has been built upon to make this new edition of Atkins' Physical Chemistry even more closely suited to the needs of both lecturers and students. Re-organized into discrete Topics, the text is more flexible to teach from and more readable for students.

Now in its eleventh edition, the text has been enhanced with additional learning features and maths support to demonstrate the absolute centrality of mathematics to physical chemistry. Increasing the digestibility of the text in this new approach, the reader is brought to a question, then the maths is used to show how it can be answered and progress made. The expanded and redistributed maths support also includes a greatly increased number of ‘Chemist's toolkits’ which provide students with succinct reminders of mathematical concepts and techniques right where they need them.
Checklists of key concepts at the end of each Topic add to the extensive learning support provided throughout the book, to reinforce the main take-home messages in each section. The coupling of the broad coverage of the subject with a structure and use of pedagogy that is even more innovative will ensure Atkins' Physical Chemistry remains the textbook of choice for studying physical chemistry.

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Table of Contents

<table>
<thead>
<tr>
<th>Focus 1</th>
<th>Focus 2</th>
<th>Focus 3</th>
<th>Focus 4</th>
<th>Focus 5</th>
<th>Focus 6</th>
<th>Focus 7</th>
<th>Focus 8</th>
<th>Focus 9</th>
<th>Focus 10</th>
<th>Focus 11</th>
<th>Focus 12</th>
<th>Focus 13</th>
<th>Focus 14</th>
<th>Focus 15</th>
<th>Focus 16</th>
<th>Focus 17</th>
<th>Focus 18</th>
<th>Focus 19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gases</td>
<td>The First Law</td>
<td>The Second and Third Laws</td>
<td>Physical transformations of pure substances</td>
<td>Simple mixtures</td>
<td>Chemical equilibrium</td>
<td>Introduction to quantum theory</td>
<td>Atomic structure and spectra</td>
<td>Molecular structure</td>
<td>Molecular symmetry</td>
<td>Molecular spectroscopy</td>
<td>Magnetic resonance</td>
<td>Statistical thermodynamics</td>
<td>Molecular thermodynamics</td>
<td>Solids</td>
<td>Liquids</td>
<td>Chemical kinetics</td>
<td>Reaction dynamics</td>
<td>Processes on surface</td>
</tr>
</tbody>
</table>

Resource section: including extended tables of data

Reviews & Awards:

"I like the division of the material into shorter "chapters". This helps to navigate through the material and break it up into "lecture-size" bites. This is a comprehensive and well-organized textbook that covers all the core physical chemistry. It is attractively presented with excellent online resources and makes a major effort to guide the student carefully through the more demanding mathematics and derivations." - Professor Eleanor Campbell, Edinburgh University

"I have used this book for more than 30 years. It is the best textbook of physical chemistry for year 2 and year 3 students in physical science departments, and for their teachers. I also use this textbook as reference book for teaching other courses and even for my research." - Wuzong Zhou, St Andrews University

The introductory price is valid through the end of April 2018. Please be advised that prices may change without prior notice due to changes in exchange rate fluctuations and other factors.