



# **CHEMISTRY (NASTA HARDCOVER REINFORCED HIGH SCHOOL BINDING) BY RAYMOND CHANG, Ninth Edition**

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0-07-326827-5 / 978-0-07-326827-9 /2007 / Hardcover

Browse <http://www.mhhe.com/chang>

## **NASTA compliant**

*For use in Advanced Placement or honors courses*

## **Develop students' problem-solving and critical thinking skills**

Chang's best-selling textbook continues to take a traditional approach and is often considered a student and teacher favorite. The book features a straightforward, clear writing style and proven problem-solving strategies.

It continues the tradition of providing a firm foundation in chemical concepts and principles while presenting a broad range of topics in a clear, concise manner. The new edition of Chemistry continues to strike a balance between theory and application by incorporating real examples and helping students visualize the three-dimensional atomic and molecular structures that are the basis of chemical activity.

An integral part of the text is to develop students' problem-solving and critical thinking skills.

[AP Correlation for Chang's \*Chemistry\* ©2007 9th edition](#)

[AP Correlation for Chang's \*Chemistry Lab Manual\* ©2007 9th edition](#)

Visit the Advanced Placement\* Online Learning Center [www.glencoe.com/chang9](http://www.glencoe.com/chang9).

**NEW TO THIS EDITION**

- ARIS - our electronic homework program contains assignments directly tied to text-specific materials in Chemistry, allows you to edit questions and algorithms, import your own content, and create announcements and due dates for assignments.
- A new category of end-of-chapter problems, Special Problems, has been added. Special Problems contain more challenging problems for the students. All problems continue to be categorized into various topics and difficulty levels.
- New "Chemistry in Action" essays have been added--And All for the Want of a Button and Bacteria Power.
- NEW Chemical Mystery on Discovery of Helium and the Rise and Fall of Coronium.
- The chapter opening pages include a new feature titled: "A Look Ahead", providing students with an overview of what will be coming up in the chapter. We have retained the Interactive Activity Summary showing the integration of media that can be used with Chemistry.
- The treatment of gas diffusion and effusion has been expanded in Section 5.7.
- Section 13.3 now also discusses zero-order reactions in addition to first- and second-order reactions.

## FEATURES

- New Molecular Images created using the Spartan software for chemical accuracy of models. You will see the images in line art, figures of molecular reactions and underlining an equation.
- All of the worked examples have been revised to give the student more help in the step by step processes. Statement of problem, Strategy, Solution, Check.
- Additional hand-worked examples show students what a scientist would do as he/she works out a problem (sometimes called the back-of-the-envelope calculations).
- Revised art program now includes macroscopic to microscopic art pieces. These pieces allow students to see real life examples and to zoom in to see what is occurring chemically in a specific reaction.

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**SUPPLEMENTS**

*Annotated Instructors Edition*

*Annotated Instructors Edition*

*Student Solutions Manual/0-07-298061-3/978-0-07-326827-9*

*Instructor's Testing and Resource CD-ROM*

*Transparencies*

*Student Chemistry Lab Notebook; Top Bound 50-carbonless sets/0-07-295285-7/978-0-07-326827-9*

*Cooperative Chemistry Lab Manual/0-07-282846-3/978-0-07-326827-9*

*Student Study Guide/0-07-298062-1/978-0-07-326827-9*

*Understanding Chemistry/0-07-255553-X/978-0-07-326827-9*

*Study Cards/0-07-298064-8/978-0-07-326827-9*

*Digital Content Manager CD-ROM*

*Chemistry at Work (Windows)/0-07-295630-5/978-0-07-326827-9*

*Chemistry at Work (Macintosh)/0-07-295629-1/978-0-07-326827-9*

**ARIS**

*WebAssign 1-Semester Access Card/0-07-322491-X/978-0-07-326827-9*

*ChemSkill Builder Online V.2 -- Student's Edition (password booklet); for packages/0-07-288264-6/978-0-07-326827-9*

*ChemSkill Builder Online V.2 -- Student's Edition (password booklet); stand alone/0-07-302562-3/978-0-07-326827-9*

*Student Chemistry Lab Notebook-Spiral Bound 100 carbonless sets/0-07-322834-6/978-0-07-326827-9*

*AP Achiever (Advanced Placement\* Exam Preparation Guide) for AP Chemistry/0-07-328659-1/978-0-07-326827-9*

*Advanced Placement\* Instructor's Manual (Print)*