



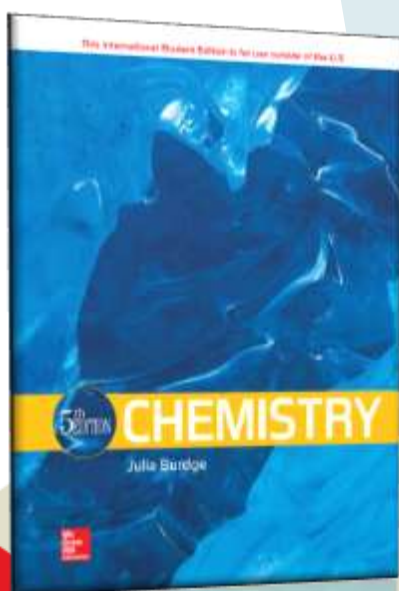
## Changes to This Edition: New Features You'll See in Chemistry, 5e

**Title:** Chemistry, 5e

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### Overall Changes

The 5<sup>th</sup> Edition Has Been Revised Based on Student User Data:

- The author has utilized anonymous information gathered from students users of the adaptive learning tools in Connect. This data gives insight into areas that students are struggling to answer questions correctly and need more guidance.
- The author has been able to utilize this information to revise, streamline and enhance sections where students have had more difficulty.

New Chapter Openers:

- With an emphasis on the chemistry associated with global climate change.

New End-of-Chapter Problems added in response to user feedback and include:

- Additional conceptual problems
- Additional multi-concept problems
- Updates of information in topical questions

New figures:

- Added to help students develop conceptual understanding.

## New Features You'll See in *Chemistry, 5e*

Continued development of truly comprehensive and consistent problem-solving.

- Hundreds of worked examples (Sample Problems) help students get started learning how to approach and solve problems.
- **SmartBook™ with Learning Resources\*** SmartBook is an adaptive reading and study tool that has been supplemented with additional learning resources tied to each learning objective to provide just-in-time help to students who need it.

*\*Available in Connect with eBook only.*

New and Updated Chapter Content Includes:

- Incorporation of essential information from student notes into the main flow of text in each chapter.
- Remaining student notes are designed to help students overcome a variety of stumbling blocks. Including:
  - Timely warnings about common errors,
  - Reminders of important information from previous chapter
  - General information that helps place the material in an easily understood context

### Selected Chapter Changes:

- Chapter 1-- Chemistry, The Central Science**
  - **New** chapter opener with environmental focus
  - **Moved:** The FAQ box "How Can I Enhance My Chances of Success in Chemistry Class?" is now placed earlier in the chapter

- Chapter 2—Atoms, Molecules and Ions**

- **New** end-of-chapter problems

- Chapter 5 – Thermochemistry**

- **New** end-of-chapter problems, including conceptual and multi-concepts problems

- Chapter 6 – Quantum Theory and the Electronic Structure of Atoms**

- **New** conceptual illustration of the photoelectric effect

- Chapter 7 – Electronic Configuration and the Periodic Table**

- **New** chapter opener with environmental focus

- Chapter 8 - Chemical Bonding I: Basic Concepts**

- **New** conceptual end-of-chapter problems

- Chapter 10 – Gases**

- **New** conceptual end-of-chapter problems

- Chapter 11– Intermolecular Forces and the Physical Properties of Liquids and Solids**

- **New** conceptual end-of-chapter problems

- Chapter 17 – Acid-Base Equilibria and Solubility Equilibria**

- **New** chapter opener with environmental focus and new conceptual end-of-chapter problems

- Chapter 18 – Entropy, Free Energy, and Equilibrium**

- **New** conceptual Checkpoint and end-of-chapter problems