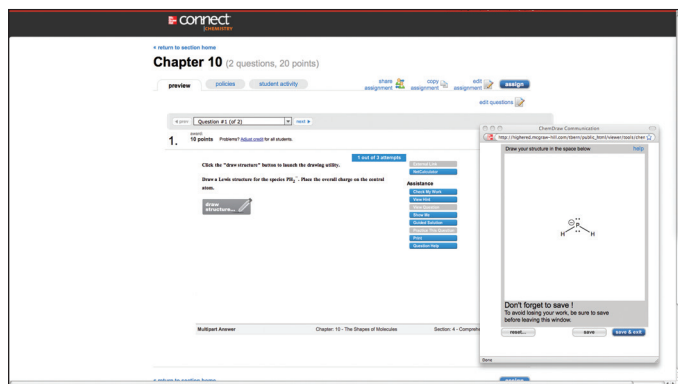


MCGRAW-HILL CONNECT[®] CHEMISTRY

www.mcgraw-hillconnect.com/chemistry

McGraw-Hill Connect[®] Chemistry is a web-based assignment and assessment platform that gives students the means to better connect with their coursework, with their instructors, and with the important concepts that they will need to know for success now and in the future. The chemical drawing tool found within Connect Chemistry is Cambridge-Soft's ChemDraw[®], which is widely considered the gold standard of scientific drawing programs and the cornerstone application for scientists who draw and annotate molecules, reactions, and pathways. This collaboration of Connect and ChemDraw features an easy-to-use, intuitive, and comprehensive course management and homework system with professional-grade drawing capabilities.

With Connect Chemistry, instructors can deliver assignments, quizzes, and tests online. Questions from the text are presented in an auto-gradable format and tied to the text's learning objectives. Instructors can edit existing questions and author entirely new problems. They also can track individual student performance—by question, assignment, or in relation to the class overall—with detailed grade reports; integrate grade reports easily with Learning Management Systems (LMS) such as WebCT and Blackboard; and much more.



By choosing Connect Chemistry, instructors are providing their students with a powerful tool for improving academic performance and truly mastering course material. Connect Chemistry allows students to practice important skills at their own pace and on their own schedule. Importantly, students' assessment results and instructors' feed-

back are all saved online—so students can continually review their progress and plot their course to success.

ConnectPlus[®] Chemistry

Like Connect Chemistry, McGraw-Hill **ConnectPlus[®] Chemistry** provides students with online assignments and assessments, plus 24/7 online access to an eBook—an online edition of the text—to aid them in successfully completing their work, wherever and whenever they choose.

LearnSmart[™]

This adaptive diagnostic learning system, powered by Connect Chemistry and based on artificial intelligence, constantly assesses a student's knowledge of the course material. As students work within the system, McGraw-Hill LearnSmart[™] develops a personal learning path adapted to what each student has actively learned and retained. This innovative study tool also has features to allow the instructor to see exactly what students have accomplished, with a built-in assessment tool for graded assignments. You can access LearnSmart for Chemistry at www.mcgrawhillconnect.com/chemistry.

McGraw-Hill Higher Education and Blackboard[®]



Do More

McGraw-Hill Higher Education and Blackboard have teamed up! What does this mean for you?

- 1. Your life, simplified.** Now you and your students can access McGraw-Hill's Connect and Create right from within your Blackboard course—all with one single sign-on. Say goodbye to the days of logging in to multiple applications.
- 2. Deep integration of content and tools.** Not only do you get single sign-on with Connect and Create, you also get deep integration of McGraw-Hill content and content engines right in Blackboard. Whether you're choosing a book for your course or building Connect assignments, all the tools you need are right where you want them—inside of Blackboard.
- 3. Seamless Gradebooks.** Are you tired of keeping multiple gradebooks and manually synchronizing grades into Blackboard? We thought so. When a student completes an integrated Connect assignment, the grade for that assignment automatically (and instantly) feeds your Blackboard grade center.

4. A solution for everyone. Whether your institution is already using Blackboard or you just want to try Blackboard on your own, we have a solution for you. McGraw-Hill and Blackboard can now offer you easy access to industry leading technology and content, whether your campus hosts it, or we do. Be sure to ask your local McGraw-Hill representative for details.



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Presentation Center

Within the Instructor's Presentation Center, instructors have access to editable PowerPoint lecture outlines, which appear as ready-made presentations that combine art and lecture notes for each chapter of the text. For instructors who prefer to create their lecture notes from scratch, all illustrations, photos, and tables are pre-inserted by chapter into a separate set of PowerPoint slides. An online digital library contains photos, artwork, animations, and other media types that can be used to create customized lectures, visually enhanced tests and quizzes, compelling course websites, or attractive printed support materials. All assets are copyrighted by McGraw-Hill Higher Education, but can be used by instructors for classroom purposes. The visual resources in this collection include:

- **Art** Full-color digital files of all illustrations in the book can be readily incorporated into lecture presentations, exams, or custom-made classroom materials.
- **Photos** The photo collection contains digital files of photographs from the text, which can be reproduced for multiple classroom uses.

- **Tables** Every table that appears in the text has been saved in electronic form for use in classroom presentations and/or quizzes.
- **Animations** Numerous full-color animations illustrating important processes are also provided. Harness the visual impact of concepts in motion by importing these files into classroom presentations or online course materials.



Digital Lecture Capture: Tegrity records and distributes your lecture with just a click of a button. Students can view anytime and anywhere via computer, iPod, or mobile device. *Tegrity* indexes as it records your slideshow presentations and anything shown on your computer, so students can use keywords to find exactly what they want to study.

Computerized Test Bank Prepared by Walter Orchard, Professor Emeritus of Tacoma Community College, over 2300 test questions to accompany *Principles of General Chemistry* are available utilizing Brownstone's Diploma testing software. *Diploma's* software allows you to quickly create a customized test using McGraw-Hill's supplied questions or by authoring your own. *Diploma* allows you to create your tests without an Internet connection—just download the software and question files directly to your computer.

Instructors' Solutions Manual This supplement, prepared by Patricia Amateis of Virginia Tech, contains complete, worked-out solutions for *all* the end-of-chapter problems in the text. It can be found within the Instructors Resources, on the Connect: Chemistry site.

Content Delivery Flexibility *Principles of General Chemistry*, by Martin Silberberg, is available in other formats in addition to the traditional textbook, giving instructors and students more choices for the format of their chemistry text.

Cooperative Chemistry Laboratory Manual Prepared by Melanie Cooper of Clemson University, this innovative manual features open-ended problems designed to simulate experience in a research lab. Working in groups, students investigate one problem over a period of several weeks, so they might complete three or four projects during the semester, rather than one preprogrammed experiment per class. The emphasis is on experimental design, analytic problem solving, and communication.

LEARNING SYSTEM RESOURCES FOR STUDENTS

Student Study Guide This valuable study guide, prepared by Libby Bent Weberg, is designed to help you recognize your learning style; understand how to read, classify, and create a plan for solving a problem; and practice your problem-solving skills. For each section of each chapter, the guide provides study objectives and a summary of the corresponding text. Following the summary are sample problems with detailed solutions. Each chapter has true-false questions and a self-test, with all answers provided at the end of the chapter.

Student Solutions Manual This supplement, prepared by Patricia Amateis of Virginia Tech, contains detailed solutions and explanations for all problems in the main text that have colored numbers.



Connect Chemistry With Connect Chemistry, you can practice solving assigned homework problems using the Silberberg problem-solving methodology applied in the

textbook. Algorithmic problems serve up multiple versions of similar problems for mastery of content, with hints and feedback for common incorrect answers to help you stay on track. Where appropriate, you engage in accurate, professional-grade chemical drawing through the use of CambridgeSoft's ChemDraw tool, which is implemented directly into homework problems. Check it out at www.mcgrawhillconnect.com/chemistry.

LearnSmart™

LearnSmart™ This adaptive diagnostic learning system, powered by Connect: Chemistry and based on artificial intelligence, constantly assesses your knowledge of the course material. As you work within the system, LearnSmart develops a personal learning path adapted to what you have actively learned and retained. This innovative study tool also has features to allow your instructor to see exactly what you have accomplished, with a built-in assessment tool for graded assignments. You can access LearnSmart for general chemistry by going to www.mcgrawhillconnect.com/chemistry.

Animations for MP3/iPod A number of animations are available for download to your MP3/iPod through the textbook's Connect website.