

Student Edition

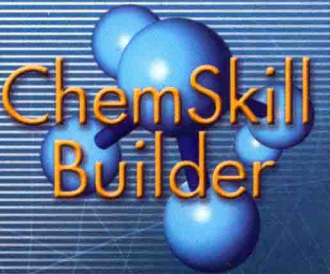


Online ChemSkill Builder

The most widely adopted
problem-solving software
for general chemistry.

- **A**ssignable
- **A**ccessible
- **A**lgorithmic

www.chemskillbuilder.com



Online ChemSkill Builder Student Edition



Higher Education

REGISTRATION INSTRUCTIONS

6 Easy steps to register:

1. Using your browser, go to www.chemskillbuilder.com and click on "New Student Registration".
2. Enter your Student Login Number (located in the bottom panel) and create your own custom user name. Click on "Submit" when finished.
3. Fill out your personal information and, using the drop down menus, register yourself with a school, instructor, course and section.
4. Create your own custom login number.
5. Click on "Credit Mode".
6. Be sure to write down your custom login number and custom user name in the spaces below for future reference.

Your Registration Is Complete!

Custom login number

Custom user name

Student Login Number

3nqj3-kjc9e-ytx57

System Requirements

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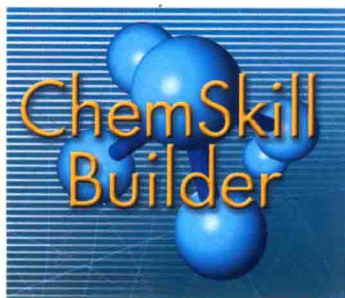
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ChemSkill Builder Walk-through

Welcome to Online ChemSkill Builder! This program provides you with the tutorial practice you need to master the concepts covered in your general chemistry course. This incredible online tool contains more than 1500 algorithmically-generated questions, each with tutorial feedback. There is a direct correlation between your time investment in this program and increased problem-solving ability.

Features and benefits of Online ChemSkill Builder include:

- Scores are saved online each time you complete a section.
- Questions are presented in a randomized fashion with a constant mix of variables—no two students receive the same questions. This provides plenty of opportunity for practice.
- Answers are checked immediately, and fully worked out solutions are presented in response to wrong answers. This program teaches you problem-solving skills!
- Twenty-five units include coverage of critical concepts such as stoichiometry, scientific notation, the periodic table, and gases. You will learn problem-solving skills for every topic in the general chemistry course.



www.chemskillbuilder.com

Student Registration & Walk-through

In order to use ChemSkill Builder you must log in. A student login number is included on the inside cover of this walkthrough booklet. Log in as follows.

Registration: Using your browser, go to www.chemskillbuilder.com. Click on "New Student Registration."



Enter your Student Login Number (located on the inside cover) and create your own custom user name. Click on "Submit" when finished.

You will need four pieces of information from your instructor to successfully complete the registration process: 1) School; 2) Instructor; 3) Course ID. 4) Section ID. Select the appropriate settings from the various drop down menus and fill in the rest of your personal information. When you are finished, click on "Credit Mode." You will be prompted to verify this information. If the information is correct, click "OK". If not, click "Cancel" and correct it.

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New Student Registration: Step 2

Enter the appropriate information in the fields provided. Use the drop down menus to select your School, then your Instructor, then your Course ID and Section ID. Be sure to select the correct campus under Schools, and to select the correct Section and Course, or you will not show up in your instructor's grade book! When you are finished, click on the "Credit Mode" or "Non Credit Mode" button.

Name (First, Middle, Last) *
 First Name or Nickname *
 Student ID *
 E-mail *

School *
 Instructor *
 Course ID *
 Section ID *

Select Security Question *
 Enter Answer: *
 Verify Answer: *

If you forget your login number and username, you'll need to answer this question correctly in order to have the username and login emailed to you.

You may change your login number (vandermeer342530) to something more familiar. Your new login can be any combination of numbers and letters but cannot include spaces or special characters.

New login number: *
 Verify new login number: *

Credit Mode In credit mode, your scores are saved to your instructor's gradebook. You need to indicate your instructor's name, and course and section IDs above to use Online ChemSkill Builder in credit mode.

Non Credit Mode In non-credit mode, your scores are kept until you logout. They are not saved to any instructor gradebook.

When registration is complete, you will be asked to log back in with your student login number and user name.

ChemSkill Builder

Welcome to ChemSkill Builder!

The most widely adopted chemistry problem-solving application is now online!

Registered Users:

Enter User Name
 Enter Login Number
LOGIN

[Forgot Login Number?](#)
[Technical Support](#)

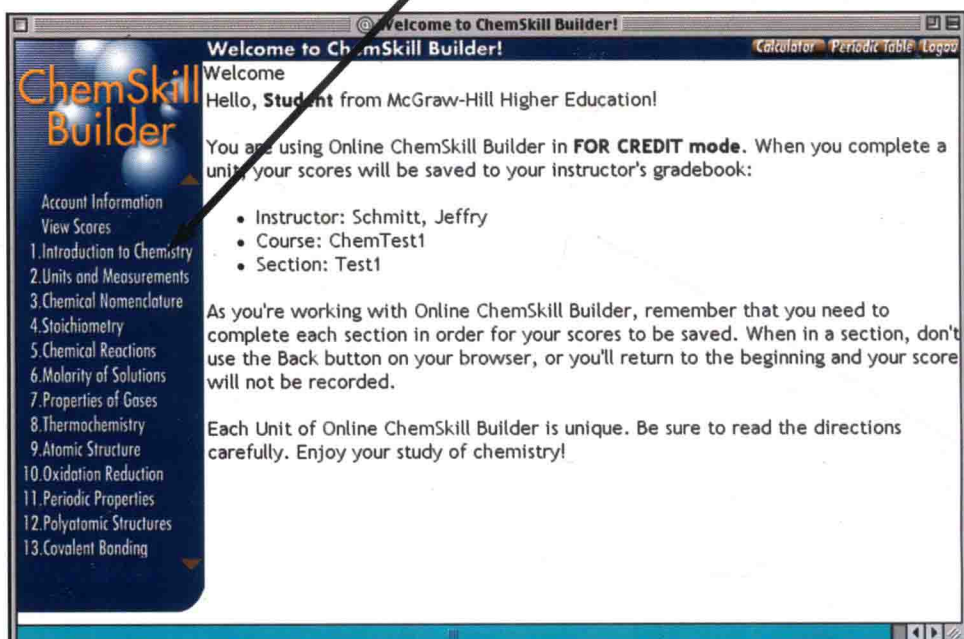
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New Student Registration
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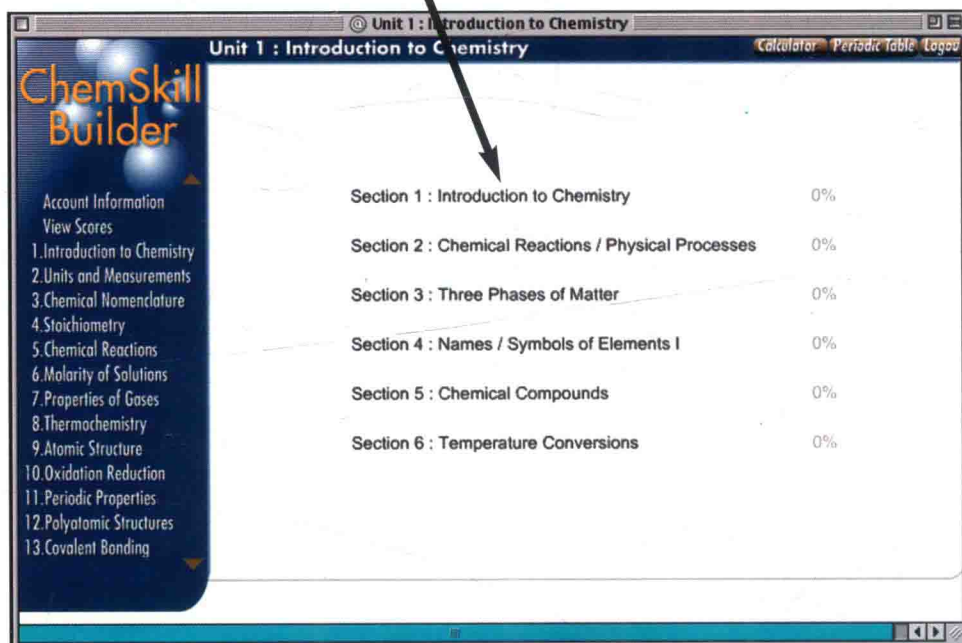
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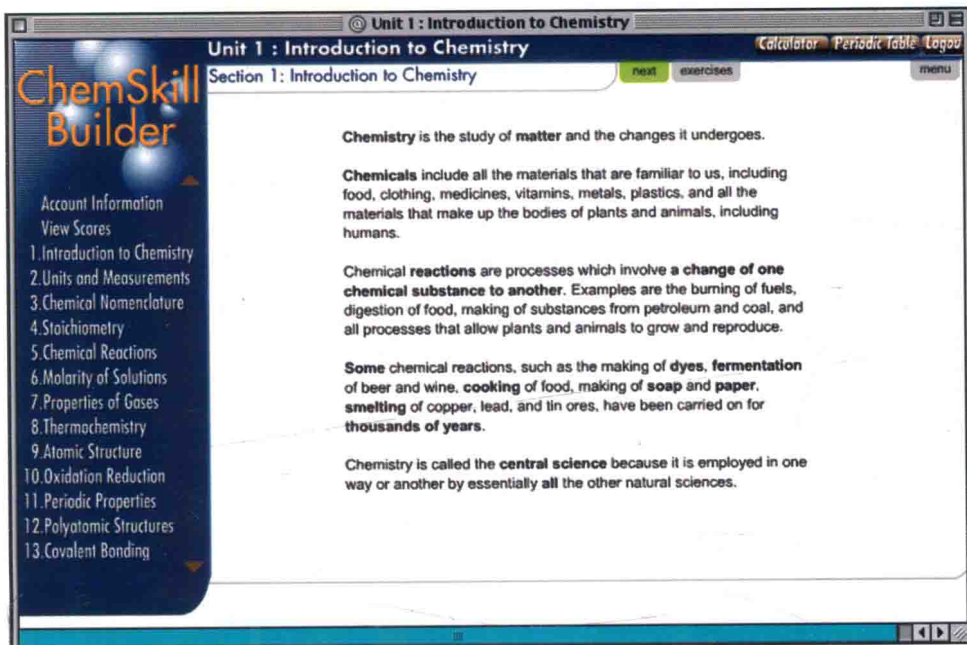
You are ready to begin ChemSkill Builder! Click on an assigned unit from the left-hand navigation bar and begin.



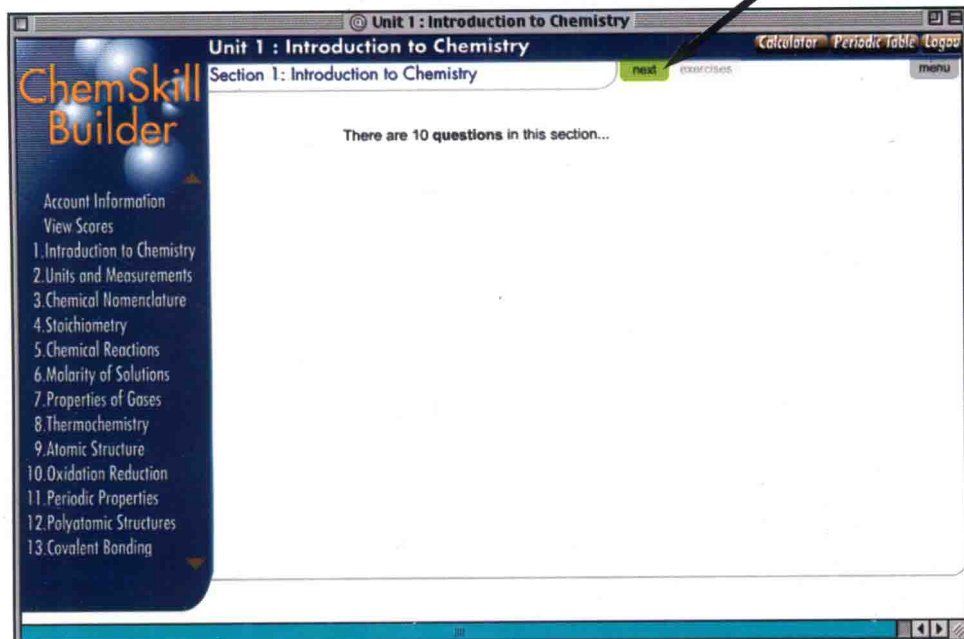
We chose unit 1: Introduction to Chemistry. Each unit contains approximately six sections.



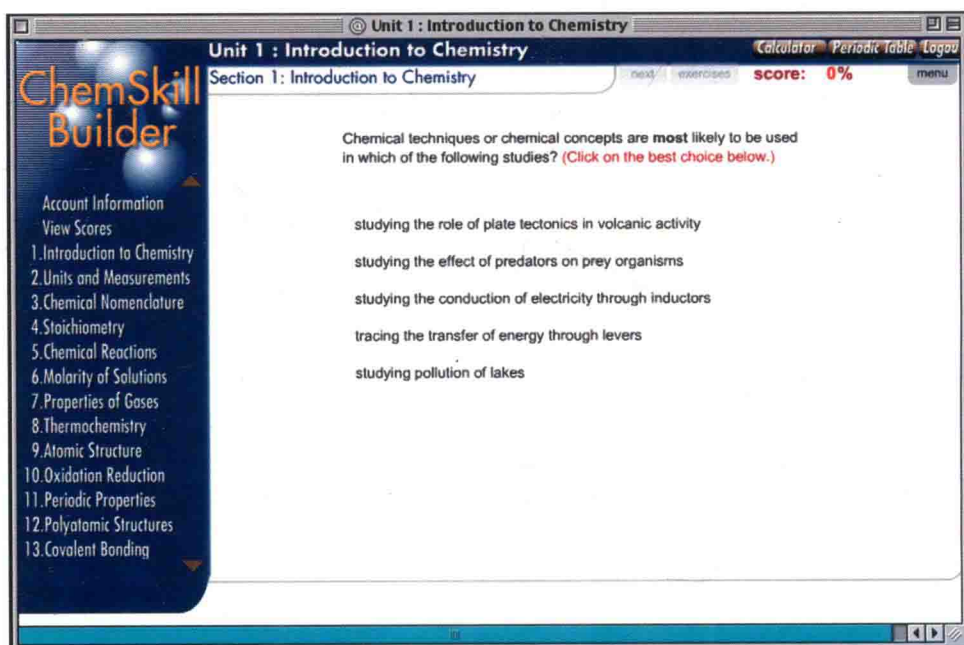
Most sections give a brief introduction on the material to be covered in that particular section.



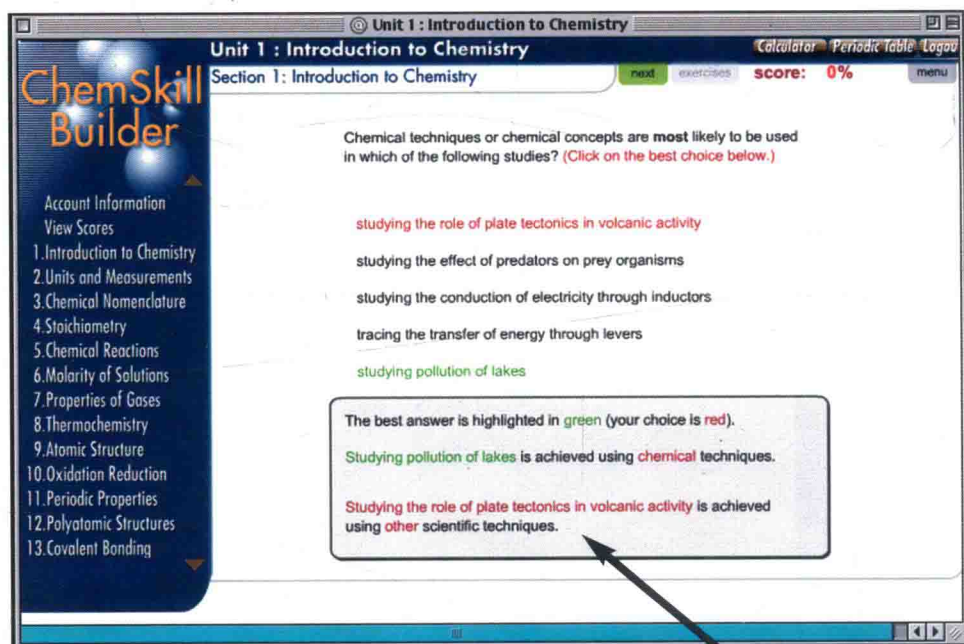
Click on "Next" or "Exercises" to begin your work in a particular section. Before you begin your work, the program will let you know how many exercises are in that particular section. For this "Walk-through" click "Next."



Multiple choice, true/false and fill-in-the-blank questions are offered. Using your mouse, click on an answer and hit the "enter" key on your keyboard.



Tutorial feedback is provided when an incorrect answer is given. Scores are tallied at the top of the screen. Partial credit is given if your answer is "close."



**Answer and
Feedback**

Click "Next" and answer the next question. Continue to answer the rest of the questions in the section.

The screenshot shows the ChemSkill Builder interface for Unit 1: Introduction to Chemistry. The left sidebar lists 13 topics, with 'Introduction to Chemistry' selected. The main area displays a question: 'Which of the following is least likely to involve the use of chemical techniques or chemical concepts? (Click on the best choice below.)'. The options are: studying how animals digest complex sugars, studying the loss of nutrients from the soil, studying the composition of the sun, studying how plants produce pigments, and studying the source of gravity. The last option is highlighted in green. Below the options, a feedback box says 'Great work! Studying the source of gravity is achieved using non-chemical techniques.' The top right shows a score of 10% and buttons for Calculator, Periodic Table, Logout, and menu. An arrow points from a text box to the score.

Score tallied when questions answered correctly

When completed with a section, your scores will save to the instructor's grade book. If you fared poorly on this section, you may go back, do the work and improve your score.

The screenshot shows the ChemSkill Builder interface after completing a section. The top right shows a score of 33%. The main area displays the following summary: 'You have completed the section with a score of: 33%'. A box highlights the following statistics: total correct answers: 3, total partial credit answers: 1, total number of questions: 10, and total elapsed time: 1.07 minutes. Below this, a message says 'You really need to repeat the exercises again until you can do them consistently well.' and another says 'Saving your score of 33% to the database.' At the bottom, it says 'Click on the "menu" button to return to the unit menu.' An arrow points from a text box to the statistics box.

Partial credit given

Click on "View Scores" to view scores for all of your completed work in the program.

Unit 1: Introduction to Chemistry

Section 1: Introduction to Chemistry

Calculator Periodic table Logout

score: 33%

You have completed the section with a score of: 33%

total correct answers: 3
total partial credit answers: 1
total number of questions: 10
total elapsed time: 1.07 minutes

You really need to repeat the exercises again until you can do them consistently well.

Saving your score of 33% to the database.

Click on the "menu" button to return to the unit menu.

ChemSkill Builder

Account Information
View Scores

1. Introduction to Chemistry
2. Units and Measurements
3. Chemical Nomenclature
4. Stoichiometry
5. Chemical Reactions
6. Molarity of Solutions
7. Properties of Gases
8. Thermochemistry
9. Atomic Structure
10. Oxidation Reduction
11. Periodic Properties
12. Polyatomic Structures
13. Covalent Bonding

This is how your scores will appear when you view them.

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TOTAL SCORES for student in chemistry101 section1

Your scores are listed below. The first column indicates the Unit, and the following columns indicate the section within that Unit. The final column shows your average score.

Unit	Sections						Average
	1	2	3	4	5	6	
Unit 1: Introduction to Chemistry	33	-	-	-	-	-	6.17
Unit 2: Units and Measurements	-	-	-	-	-	-	0.00
Unit 3: Chemical Nomenclature	-	-	-	-	-	-	0.00
Unit 4: Stoichiometry	-	-	-	-	-	-	0.00
Unit 5: Chemical Reactions	-	-	-	-	-	-	0.00
Unit 6: Molarity of Solutions	-	-	-	-	-	-	0.00
Unit 7: Properties of Gases	-	-	-	-	-	-	0.00
Unit 8: Thermochemistry	-	-	-	-	-	-	0.00
Unit 9: Atomic Structure	-	-	-	-	-	-	0.00
Unit 10: Oxidation-Reduction Reactions	-	-	-	-	-	-	0.00
Unit 11: Periodic Properties	-	-	-	-	-	-	0.00
Unit 12: Polyatomic Structures	-	-	-	-	-	-	0.00
Unit 13: Covalent Bonding	-	-	-	-	-	-	0.00
Unit 14: Liquids and Solids	-	-	-	-	-	-	0.00
Unit 15: Properties of Solutions	-	-	-	-	-	-	0.00
Unit 16: Chemical Kinetics	-	-	-	-	-	-	0.00
Unit 17: Chemical Equilibria	-	-	-	-	-	-	0.00
Unit 18: Acid-Base Equilibria	-	-	-	-	-	-	0.00

ChemSkill Builder

Student: Student

Account Information
View Scores

Help
Return to ChemSkill Builder
Logout

This concludes your walk-through of the ChemSkill Builder Program. Your score has been recorded in the database and instructor grade book. Click on "Logout."

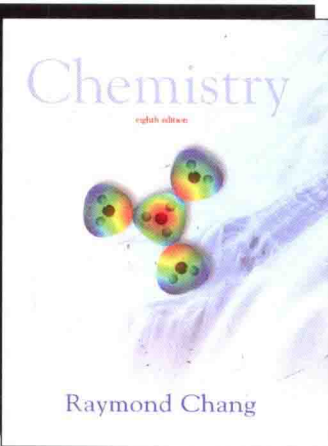
Congratulations, you have now created your student record and have completed a homework assignment.

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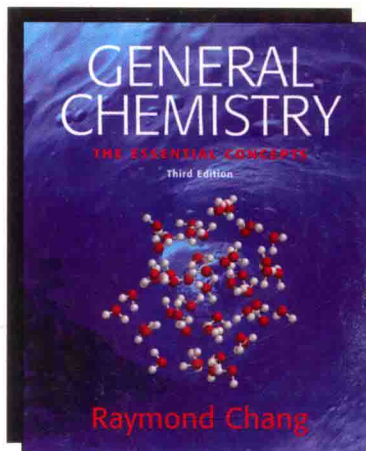
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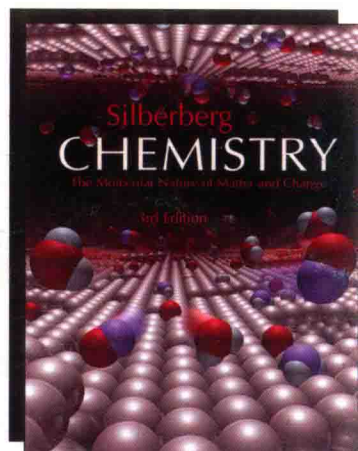
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