
Cengage Learning
University of Massachusetts, Amherst

OWL
ONLINE WEB-BASED LEARNING



Student Guide USNA

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First-time Log In and Registration

1. Go to www.cengage.com/owl.
2. Click your textbook category (**General**) in the red **Log In or Register Here** box.

Log In or Register Here

Step 1: Choose your textbook or chemistry course:

[Intro/Prep](#) [Allied Health](#) [Organic](#)
[Liberal Arts](#) [General](#) [Quick Prep](#)

For Instructors

What's New in OWL New products and features for Fall, including upgraded e-books, Go Chemistry mini video lectures, and Quick Prep for General and Organic Chemistry.

Getting Started Guides You'll find useful quick guides and longer, detailed guides for instructors in PDF format.

Training Opportunities Learn about forthcoming online training events from Brooks/Cole.

OWL Quick Prep Help your students prepare for General Chemistry and/or Organic Chemistry with OWL Quick Prep.

Brooks/Cole Chemistry Homepage Visit us for information on specific Brooks/Cole chemistry texts, lab manuals, and supplements.

[Looking for Computer Science?](#)

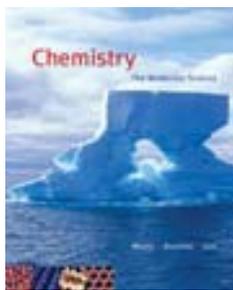
Technical Support

Instructor **Student**

Click the Instructor or Student button above to access OWL dedicated Technical Support FAQs as well as Live Chat and phone support.

www.cengage.com/support

3. Click the textbook cover you are using, **Chemistry: The Molecular Science, 3rd Edition; Moore, Stanitsi, Jurs**.



4. Click the **Institution** that you attend, “**United States Naval Academy - Annapolis, Maryland**”
5. Click the **blue arrow** in the **Student Registration** column.

User Login and Student Registration: Select Department

Courses

- Intro/Prep Chemistry
- Liberal Arts Chemistry
- Allied Health Chemistry
- General Chemistry**
- Organic Chemistry
- Quick Prep Chemistry

Start Over **Tech Support**

Book: **Chemistry: The Molecular Science, 3rd Edition; Moore, Stanitski, Jurs**
Institution: **United States Naval Academy - Annapolis, Maryland**

Please choose your department:

- Choose **User Login Page** if you have already have an OWL account in the department.
- Choose **Student Registration** if you are a student have not registered yet.
- Choose **Request Instructor Account** if you would like an instructor account for the department.

If you cannot find the correct department listed below please contact your instructor to check if they intend to use OWL, if your book selection is correct and what department to choose.

Department	User Login Page	Student Registration	Request Instructor Account
Department	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- Click the blue arrow in the **Section #** column that matches your course and section. **Make sure you have the correct section number, Professor and meeting time.**

User Login and Student Registration: Select Course

[Start Over](#) [Login Page](#) [Forgot My Login/Password](#) [Tech Support](#)
 Book: **Chemistry: The Molecular Science, 3rd Edition; Moore, Stanitski, Jurs**
 Institution: **United States Naval Academy - Annapolis, Maryland**
 Department: **Chemistry Department**

Press the arrow box in the **Section #** column for the desired course and section. If your course and section are not found follow the instructions below.
 If you cannot find your course listed below please contact your instructor to check if they intend to use OWL, if your book selection is correct and what course to choose.

Course Name	Section #	Instructor	Location	Time
SC 111 Fall 07 (Brown)	8142	CDR Doug Brown	ME120,MI030	TR8,F12
	8342	CDR Doug Brown	ME120,MI030	TR9,F34
SC 111 Fall 07 (Calhoun)	3312	Rob Calhoun	ME104,MI034	MWF5,T34
	8512	Rob Calhoun	ME104,MI034	MWF6,T36
SC 111 Fall 07 (Campbell)	8531	Mark Campbell	ME101,MI015	TR9,W36
SC 111 Fall 07 (Chateaufneuf)	3121	Ginger Chateaufneuf	ME110,MI030	MWF5,R12
	8321	Ginger Chateaufneuf	ME110,MI030	MWF5,R34
	8321	Ginger Chateaufneuf	ME110,MI030	MWF6,R34
	8521	Ginger Chateaufneuf	ME110,MI030	MWF6,R56
SC 111 Fall 07 (Cheek)	2111	Graham Cheek	ME107,MI015	MWF2,T12

- You will then see the Self-Registration form. Fill it out as follows and click **“Continue”**

Self-Registration Form

Instructions:

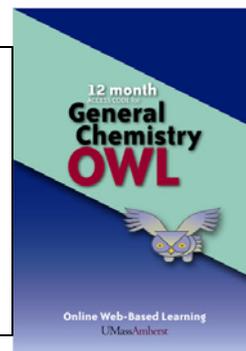
- All the fields must be filled in to continue.
- Enter your login (user name) and a password for the OWL system. If you have
- The login must be at least 2 characters or more.
- The password must be at least 4 characters or more.
- Enter your full first and last name along with your school Student Number.
- You must include an email address.
- The Access Code value either accompanied your book or can be purchased
- After completing the registration you will be able to log into OWL.

First Name	Chem
Last Name	Student
Student Number	XXXXXXXX
Login	chemstudent
Password	●●●●
Confirm Password	●●●●
Email Address	chemstudent@usna.edu
Telephone Number	410-293-6000
Access Code	t0606-bp4b5-c1j1m-b9as5-ku9c4

**YOUR ALPHA NUMBER
(EX. 101234)
No ‘m’, just numbers**

Check this!

**This card
is bundled
with your
textbook.
The
access
code is
inside.**



- You will be asked to confirm your information and click **“Continue”**

9. Click **“I agree”** for licensing then you will see the Successful Registration Click on the **Login Page** link at the top to go to the Login Page. **Bookmark** this login page in your browser as your login page for future visits.

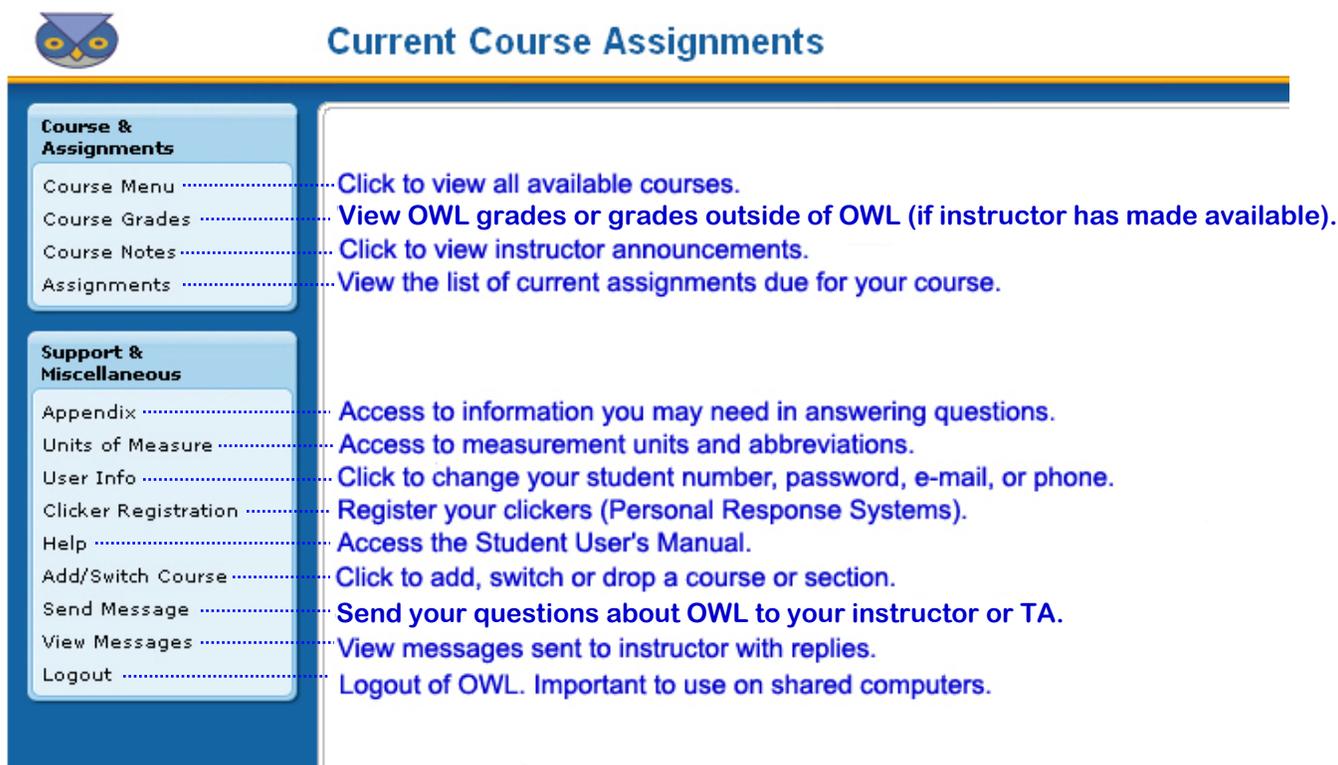
Subsequent Logins

1. Go to www.cengage.com/owl
2. Click **“General”** under Login or Register Here
3. Click **“Chemistry: The Molecular Science, 3rd Edition; Moore, Stanitski, Jurs”**
4. Click **“United States Naval Academy - Annapolis, Maryland”**
5. Click on the **“arrow”** under User Login Page. This is the page to Bookmark for future visits.

****Use the “I forgot my login/password” link on the login page if you ever need your login information****

OWL Left Menu Guide

After you have logged into OWL, becoming familiar with the left menu bar will help you to navigate through the system. Here is a brief explanation of the menu options available in most OWL screens.



The image shows a screenshot of the OWL interface. At the top left is the OWL owl logo. To its right is the title "Current Course Assignments". Below the logo is a vertical menu bar with two main sections: "Course & Assignments" and "Support & Miscellaneous". Each section contains a list of menu items with dotted lines pointing to their descriptions on the right.

Menu Item	Description
Course & Assignments	
Course Menu	Click to view all available courses.
Course Grades	View OWL grades or grades outside of OWL (if instructor has made available).
Course Notes	Click to view instructor announcements.
Assignments	View the list of current assignments due for your course.
Support & Miscellaneous	
Appendix	Access to information you may need in answering questions.
Units of Measure	Access to measurement units and abbreviations.
User Info	Click to change your student number, password, e-mail, or phone.
Clicker Registration	Register your clickers (Personal Response Systems).
Help	Access the Student User's Manual.
Add/Switch Course	Click to add, switch or drop a course or section.
Send Message	Send your questions about OWL to your instructor or TA.
View Messages	View messages sent to instructor with replies.
Logout	Logout of OWL. Important to use on shared computers.

Answer Formatting in OWL

As with most computer-based homework systems, when you answer questions in OWL, your responses must be formatted in order to be graded correctly. For some answers, you must enter superscripts and subscripts in your answer. Proper answer formatting is especially important when entering chemical formulas, mathematical equations, and units of measurement. Improper formatting will lead to otherwise correct answers being marked wrong.

Be sure to complete the **Intro to OWL** assignments to learn the basics of answer formatting and setting up your browser correctly. The basics of answer formatting are reviewed here.

To Write a Chemical Formula in OWL

Enclose subscripts with underscores <code>_</code> .	Enclose superscripts with carats <code>^</code> .
The underscore key is next to the number zero on the keyboard.	The carat key is the number six on the keyboard.
H_2_O = H ₂ O	Cr^3+^ = Cr ³⁺
Combined: SO_4_^2-^ = SO ₄ ²⁻	

Ions	Unit Charge Ions
Write the number first and then the charge.	Do not include the number one in unit charge ions.
N^3-^ = N ³⁻ Ca^2+^ = Ca ²⁺	Na^+^ = Na ⁺ Cl^-^ = Cl ⁻

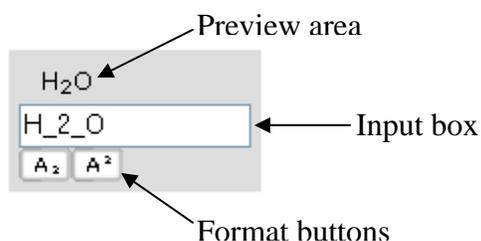
Using the Chemical Formula Input

The chemical formula input box displays the superscripts and subscripts as you enter the formula. There are 3 ways to use the input box.

- ◆ **Keyboard:** Use the keyboard to enter underscores and carats on your own.
- ◆ **Buttons after:** Enter the formula without underscores or carats, then highlight each superscript and/or subscript, click the appropriate subscript or superscript button, and the underscores or carats will be filled in automatically.
- ◆ **Button during:** Use the subscript or superscript buttons to enter the underscores and carats while you type the formula.

Using the Chemical Formula Input Tool

You can use the Chemical Formula Input Tool to help correctly format your answers with subscripts and superscripts.*



Click the A_2 button to subscript text and click the A^2 button to superscript text.

1. For example, to write the chemical formula for water, type a capital "H" in the input box.
2. Press A_2 and then type "2."
3. Click on A_2 again to set the text format back to normal font. Note that you press the button before AND after you enter the character to be formatted.
4. Type a capital "O."

Check the Preview Area to see the results of your entry.

*If you are familiar with previous versions of OWL, answers will still be accepted if typed using underscores (Shift-minus) for subscripts and using carats (Shift-6) for superscripts.

SCIENTIFIC NOTATION IN OWL

OWL uses a similar format to the "EE" or "EXP" format found on most calculators.

6.02×10^{23} should be entered as **6.02E23**

Where "E23" represents " $\times 10^{23}$ "

DO NOT confuse **SCIENTIFIC NOTATION** with entering **SUPERSCRIPTS!**

Use "E" notation for **NUMERICAL VALUES**. 6.02E23 **This is a numerical value.**

Use "carat" notation for **TEXT** input. Cu²⁺ **This is text.**

Examples:

Number to Enter	OWL Format	Calculator Format
6.02×10^{23}	6.02E23	6.02 EE 23 or 6.02 EXP 23
0.000000454	4.54E-7	4.54 EE -7 or 4.54 EXP -7

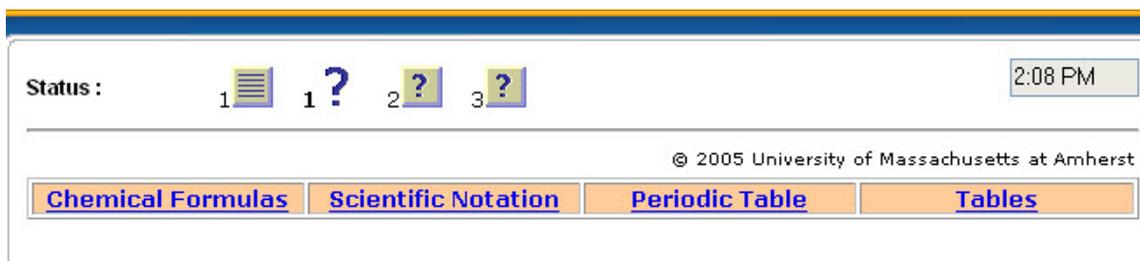
Note:

Also do not confuse this notation with the irrational number "e" = 2.718282 which forms the base for the natural log, ln. On calculators this is usually the **e^x** or **inv ln** key.

OWL Information Menu Bar

If you need a refresher on writing Chemical Formulas or Scientific Notation in OWL, information is always available by clicking the appropriate link on the Information Menu Bar at top of each question, as shown below. Useful tables and a periodic table are also available.

OWL Question



The screenshot shows the OWL interface. At the top, there is a status bar with the text "Status:" followed by four icons: a list icon, a question mark icon, a question mark icon, and a question mark icon. To the right of these icons is a clock showing "2:08 PM". Below the status bar is a copyright notice: "© 2005 University of Massachusetts at Amherst". At the bottom of the screenshot is a menu bar with four buttons: "Chemical Formulas", "Scientific Notation", "Periodic Table", and "Tables".

Frequently Asked Questions and Tech Support

For a full list of Frequently Asked Questions and Cengage Learning Technical Support contact information, please visit www.cengage.com/owl.