

## Chemistry 1441/1442 WebAssign Homework

**To Log In**, go to <http://www.webassign.net> and select “LOGIN”.

From there you will be taken to <https://www.webassign.net/login.html>

You should bookmark this site, since you will come to this website every time you log into WebAssign. You will be asked to enter your username, institution, and password.

**Username:** Your username will be the same as your UTA Net ID. If you are uncertain of what your UTA Net ID is, you can ask for assistance at the Help Desk in the library, or go to <https://webapps.uta.edu/oit/selfservice/> and select “What is my NetID?” at the bottom of the page.

**Institution:** uta

**Password:** If this is your first time to use WebAssign, or if you are using a different username than you have in the past, then your initial password will be “chemistry” in lower case letters. As soon as you log into WebAssign, please change your password. If you have used WebAssign in the past with the same username, then your password will be the same password that you used in previous semesters.

**Once you’ve logged in**, you’ll be given the opportunity to enter an access code. You can purchase an access code at the UTA Bookstore for about \$10, or when you click “Enter an Access Code Now”, you will be given the opportunity to purchase access with a credit card for \$14.95. Your access will be good for one class for one semester. During the grace period of approximately one week, you will be allowed to complete your homework without entering the WebAssign Access Code, but once the grace period is up you will be required to enter an access code before you can do your homework .

**Each homework assignment** is worth 100 points, and if you do not get all of the answers correct, you may try again and re-submit your homework. You may re-submit your homework up to five times. *The last grade that you earn will be the grade that you receive for that assignment.*

**Your first homework assignment** is called “Introduction to WebAssign”. It is worth 100 points, and its purpose is to show you how answers must be entered in WebAssign.

**Don’t wait** until the last minute to do the homework, because if you experience network problems or if your computer crashes, it could cause you to miss the deadline.

**Homework due dates are final**, and we usually do not allow extensions for completing homework past the due date. *No homework grades will be dropped.*

**If you registered for this course late**, then you may not be able to log in. If you have trouble logging in, call or send an email to Dr. Rogers (817-272-5442, jimrogers@uta.edu) with your name, your ten-digit UTA ID number, your UTA NetID, and your course section number and teacher so that he can set up an account for you.

***When doing a numerical calculation***, you must give the answer with the correct number of significant figures, and if the calculation involves multiple steps, *you must not round until the very last step*. For example, consider the problem below:

How many water molecules are in 25.0 g of water?

The solution is:

$$\text{\#water molecules} = 25.0 \text{ g H}_2\text{O} \times \frac{1 \text{ mol H}_2\text{O}}{18.02 \text{ g H}_2\text{O}} \times \frac{6.022 \times 10^{23} \text{ molecules H}_2\text{O}}{1 \text{ mol H}_2\text{O}}$$

When this calculation is done without rounding, you get  $8.3546 \times 10^{23}$ , which is then rounded to  $8.35 \times 10^{23}$ . This answer should be entered in WebAssign as 8.35e23.

***Important: The only answers that WebAssign would accept as correct are:***

8.34e23

8.35e23

8.36e23

If, however, this calculation were done in two steps, and if each step were rounded, you would get a slightly different answer:

$$25.0 / 18.02 = 1.38735, \text{ rounded to } 1.39$$

$$1.39 \times 6.022 \times 10^{23} = 8.37\text{e}23, \text{ which WebAssign would count incorrect.}$$