

HONORS CHEMISTRY SUMMER ASSIGNMENT 2022

Welcome to Honors Chemistry! We are looking forward to meeting you in September. The Honors Chemistry Summer Assignment is a requirement of this class. There will be a quiz covering the summer assignment topics during the first two cycles of the school year. More importantly, it will prepare you to start the school year strong and help us have a successful school year together.

Email your chemistry teacher when you find out who it is for the purpose of introducing yourself.

The honors chemistry teachers are:	Mr. Diaz	mdiaz@livingston.org
	Mrs. Sigalas	dsigalis@livingston.org
	Mrs. Wigden	awigden@livingston.org
	Mrs. Young	byoung@livingston.org

The summer assignment is:

1. Join the cK-12 “Honors Chemistry Summer Assignment” class and add the Chemistry 2.0 Flexbook to your library. Instructions are on the next page of this document.

2. Work through Chapters 2, 3 and Sections 4.6-4.18 of Chapter 4 of the CK-12 Chemistry 2.0 Flexbook. For each chapter:

a. take the pretest. You will find it in your Assignments tab of cK-12. When you are done review your results. You may retake the pretest as many times as you like.

b. use the pretest to guide your work through the chapter. Take advantage of the text, videos, simulations and adaptive practice in CK-12 as you work through each section, focusing on topics that you may have missed on the pretest. The difficulty of adaptive practice questions gradually increases as you show mastery of the concepts. If you are struggling adaptive practice will point you to resources to help you better understand the concepts.

c. Practice before you take the post test. The adaptive practice in each chapter is an excellent tool for evaluating your understanding!

d. When you feel confident with the material in a chapter, take the post test. You will only have one opportunity to take the post test.

e. Write down any concepts that you are having difficulty with. Bring good questions to class with you in September. “I don’t get significant figures” is not very helpful. “I don’t understand why 400cm only has one significant digit but 400.0cm has 4” is.

The summer assignment is due Monday, August 29, 2022

Getting Started with cK-12:

1. Join the “Honors Chemistry Summer Assignment” Class.

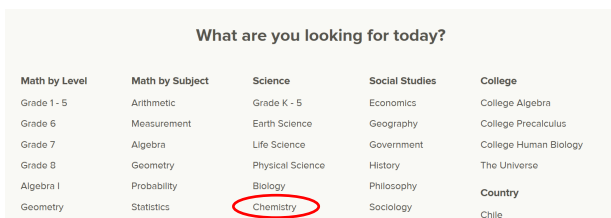
- Go to <https://www.ck12.org>
- Click join to create an account, or Sign in.
- Click Classes.
- Click Join a Class.
- Enter code: mn7qx

You can also join the class by using this link: <https://www.ck12.org/join/group/?accessCode=mn7qx>

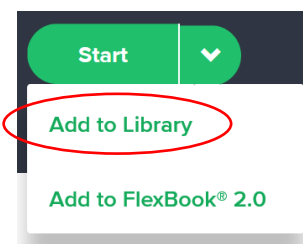
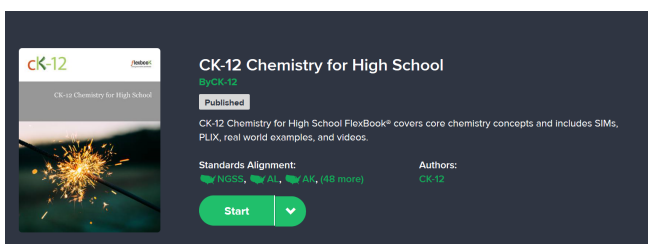
2. Once you are in the class, click the cK-12 icon in the upper right corner to go to the home screen. Select “Subjects” from the top banner.



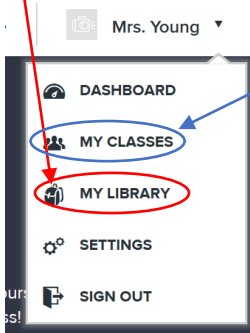
3. This will bring you to the “What are you Looking For?” screen. Select “Chemistry”



4. You should now be in the screen below. Click the down arrow by the start button and select “Add to Library”.



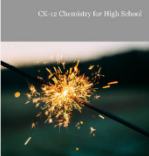


6. The Chemistry Flexbook is now in your library. You can access it from your name in the upper right hand corner of the screen, or by using the cK-12 icon in the upper left-hand corner to return to the home screen.



7. You can also access “My Classes” from the pull down menu. You will find pre-tests, post-tests and assigned adaptive practice in your “my classes” tab.

cK-12 Features

1. Other Ways to Learn: You will find links at the start of each section to more videos, animations and virtual experiments to provide alternative methods to text reading.




FlexBooks® 2.0 > CK-12 Chemistry for High School > Matter, Mass, and Volume

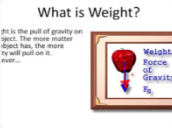
Description


Definition of matter and what mass and volume measure.

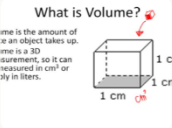
Start

Other Ways to Learn:


Fast Ice


What's Matter?


Basic Physical Properties - Example 2


Basic Physical Properties - Example 3

2. Embedded Videos: The videos in cK-12 are excellent! While you don't have to watch every video, they can be a great support when you are struggling with a concept.



3. Adaptive Practice: There is an Adaptive Practice quiz you can take with each section. The questions are rated as “easy”, “medium” and “hard” and self-adjust for you as you progress. You are challenged to continue working through the questions until you score 10/10. Hints are available as well as an analysis of your progress.

Neeru is looking at her kids' backpacks and wants to compare their masses. What is the best tool Neeru can use to find the mass of each backpack?

- a ruler
- graduated cylinder
- balance
- beaker



Start Practice

Check It