

# AP CHEMISTRY SUGGESTED SUMMER ASSIGNMENT

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Class website (Canvas) at <https://cnusd.instructure.com/>

Class Videos at <http://www.screencast.com/users/blachmanb>

Welcome to AP Chem. You are now in the major leagues! I hope this will be one of your best and most fulfilling experiences in high school and I am very much looking forward to getting to know and work with you. The following are suggestions for those of you who want to have that extra edge when school starts. These will not be collected or graded. This is optional. But, if you want to hit the ground running when AP Chem starts you should consider doing these. (You can also download this assignment from the main page on our website).

1. Check out the AP chemistry textbook and the Active Reading Guide over the summer and review Ch. 1-3. Note: Ch. 1-2 are not covered in class so be sure to review those. Complete the following in the Active Reading Guide while you are reading those chapters: Ch 1:1, 12, 13, 19, 20, 26, 34, 37 and Ch 2: 19, 27, 31, 37(e), 39, 50. (Ch 3 active reading will be assigned during the school year).
2. Go to <http://www.screencast.com/users/blachmanb> and watch the 8 videos found in folder AP 3
3. Memorize Tables 2.4, p. 63 and 2.5 p. 66 (Do this, if nothing else)
4. Complete the worksheet below.

Have fun this summer! Get some rest and be sure to play. If you have any questions over the break please email me at [blachman1@cnusd.k12.ca.us](mailto:blachman1@cnusd.k12.ca.us) (I will be traveling a lot so might not be able to respond right away).

## Unit Conversion Tutorial

Name: \_\_\_\_\_

- Go to the following website: <http://joneslhs.weebly.com>
- Click on the **Learn** button on the left. Read the tutorial first. When you think that you understand the idea, go back to the Main Menu and click on **One Step Conversions**.

### One Step Conversions

- For problems 1, 2, and 3 write down what the completed problem looks like. Cancel the units that cancel. Circle the unit that doesn't cancel. Write down the answer to the problem.

1.

		=
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2.

		=
--	--	---

3.

		=
--	--	---

For problems 4-9, you can just write down the answer once you have solved it.

4. Calculated Answer:

7. Calculated Answer:

5. Calculated Answer:

8. Calculated Answer:

6. Calculated Answer:

9. Calculated Answer:

10. For problem 10, solve it on paper here. Then type in the calculated answer to see if you are correct.

11. Solved problem and answer:

### Multi-Step Conversions

Name: \_\_\_\_\_

- For problems 1, 2, and 3 write down what the completed problem looks like. Cancel the units that cancel. Circle the unit that is the one left at the end. Write down the answer to the problem.

1.

				=
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2.

				=
--	--	--	--	---

3.

				=
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For problems 4-10, you can just write down the answer once you have solved it.

4. Calculated Answer:

7. Calculated Answer:

5. Calculated Answer:

8. Calculated Answer:

6. Calculated Answer:

9. Calculated Answer:

10. For problem 10, solve it on paper here. Then type in the calculated answer to see if you are correct.

11. Solved problem and answer:

### Double Unit Conversions

- Read the directions on the first problem to see how to get started. Work through the challenging problems recording your answer for each one. Don't forget units!

1. Calculated Answer:

4. Calculated Answer:

2. Calculated Answer:

5. Calculated Answer:

3. Calculated Answer:

6. For problem 6, solve it on paper here. Then type in the calculated answer to see if you are correct.

### Cubed and Squared Conversions

- Read the directions on the first problem to see how to get started. Work through the challenging problems recording your answer for each one. Don't forget units!

1. Calculated Answer:

2. Calculated Answer:

3. Calculated Answer:

2. For problem 4, solve it on paper here. Then type in the calculated answer to see if you are correct.