

AP Chemistry Application

**Student: Complete all components of this application and submit by March 1st to Mrs. Sessions in room 01-105. All final acceptance decisions are made by Mrs. Sessions, who takes everything into consideration, including the mandatory summer assignments.*

Name: _____

List all Science and Math Classes Taken in high school:

Average Grade in Chemistry: _____

Are you frequently absent from school? _____yes _____no

If yes, what are your reasons for these absences? _____

Do you have computer and internet access daily at home? _____yes _____no

Would you consider yourself strong at math and word problems?

_____ yes _____no

Why do you think that? _____

AP courses are very demanding and rigorous. Are you willing and able to devote 7-10 hours each week outside of school to be successful in this course? _____yes _____no

By taking an AP course you are required to take the AP Chemistry exam at the end of the school year. Passing this exam could result in college credit. Are you willing to do all that you can in order to be successful on this exam? _____yes _____no

Are you planning on taking any other AP courses next year? _____yes _____no

If so, what ones? _____

Are you planning on being involved in extracurricular activities and/or sports next year?

_____yes _____no

If so, what ones? _____

Respond to the written problems on the back of this sheet to serve as an example of your current chemistry skills.

Chemistry Problems

You may use outside resources. I want to see your problem solving skills so please show all work.

1. What is the volume of 227g of olive oil if its density is 0.92g/mL?
2. Determine the specific heat of a material if a 35g sample of the material absorbs 48J as it is heated from 298K to 313K. Use correct significant figures.
3. Complete and balance the following equations:
 - a. $\text{C}_3\text{H}_6 + \text{O}_2 \rightarrow$
 - b. $\text{AgCl} \rightarrow$
 - c. $\text{Ca} + \text{O}_2 \rightarrow$
4. How many grams CO_2 form from the complete combustion of 1.00L C_8H_{18} , density 0.700g/mL? If only $1.90 \times 10^3\text{g}$ CO_2 form, what is the percentage yield?
5. Why do you want to be in AP Chemistry?

AP Chemistry RECOMMENDATION

AP Chemistry requires a solid understanding of **Math**. To ensure that you are able to handle the concepts and calculations, you must obtain a recommendation from your current math teacher.

** Teachers: please complete this form honestly and return to Mrs. Sessions or Mrs. Sessions' box. The student will NOT see this form or be advised as to what you have recommended. Also be aware that the final decision is made by Mrs. Sessions, who takes all recommendations into consideration.*

Student's Name _____

Please consider the following characteristics of the candidate in making your recommendation:

- Commitment to intellectual pursuits
- Ability to deal with abstract concepts
- Self-expression in writing and speech
- Capacity for independent study
- Ability to accept and apply constructive criticism
- Exemplary attendance
- Overall dedication and commitment to academics
- Always exceeding expectations

Recommendation:

- _____ Highly recommended
- _____ Recommended
- _____ Recommended with reservation
- _____ Not recommended

Comments _____

Math Teacher's Signature _____

AP Chemistry Teacher Verdict:

- _____ Recommended
- _____ Recommended with reservation
- _____ Not recommended

Comments _____

