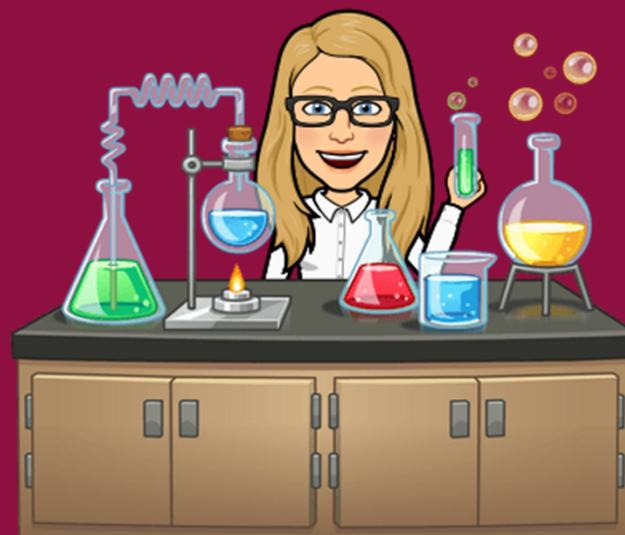


For voting, go to: <https://pollev.com/lauriestarke263>  
or text LAURIESTARKE263 to 37607 to join poll



Dr. Laurie S. Starkey  
Cal Poly Pomona

CHM 3140 Organic Chemistry I  
Announcements 1/30/25

# Today's Topic: Resonance (Ch. 2, Step 2)

## Chapter 2

- ✓ Watch
- ✓ Read
- ✓ Practice

### Daily To-Do

### Flipped Lectures

#### Step 2

- Read Klein sections 2.7 - 2.12, and 2.3
- Watch flipped lectures (Parts 2 & 3)
- Work through SkillBuilders 2.5, 2.6, 2.7, 2.8, 2.9 and Conceptual Checkpoints 2.18-2.25
- Resonance **homework** ("free red ink" due Wednesday 2/7, in Gradescope - *can be submitted up until date of Exam 1*) [notes](#)
- Work on suggested **Chapter 2 EOC problems** on WileyPLUS (auto-graded) and/or on paper (self grade, using Solutions Manual).

#### Part 2 - Resonance

**35 minutes**, *skeleton notes pages 2-3 to 2-5*

**3-Minute Review:** resonance  
pattern [animation videos](#)

#### Part 3 - localized/delocalized lone pairs, and functional groups

**20 minutes**, *skeleton notes pages 2-6 and 2-7*

# Don't Forget: Weekly Friday5 Points!

Hi from Walker!



Hello everyone! My name is Walker and I am a second-year animal science major here at CPP. I'm on the livestock show team, work at bric break, and like to go to the gym. Outside of school, I work as a tech at an animal hospital up in the Bay Area, I love to ski, and hang out with

Howdy my name is Chris



Some fall changes my fiancé and I shot in December  
Hi my name is Chris I'm an animal

GREETINGS from Christian



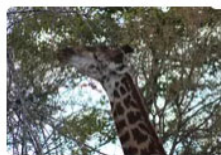
Greetings everyone! My name is Christian Suarez and I am currently a third year in general Biology. My main research focus is on plant Genetics in Dr. Sharma's lab as well as some research on squash bees in Dr. Leongs. I enjoy playing tennis, rock climbing, and eating out with

hi i'm micaela!



Hi everyone! My name is Micaela, and I'm a third-year biotech student minoring in philosophy and chemistry. After (hopefully) graduating, I plan to enter a PhD program and then work in cancer research. Currently I'm in two very fun research projects, which is how I

Hi from Mackenzie !!



Hi! I'm Mackenzie, I am a senior. My major is Animal Science Pre-Vet. I'm from the Bay Area. In my free time I love doing Hot Pilates, hiking, going to the beach, and I love photography especially taking animal pictures!! I took this photo while I was in South Africa working under vets.

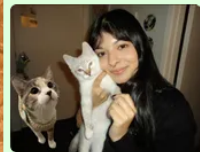
+ Add comment

helloo from sophie :o



me << scaffs  
Hi! my name is sophie, im a bio major hoping to go into pre-pharm. I like video games, ig reels, music, hikes,

Hi from Valeria!



Me and my cats  
Hi, my name is Valeria. I'm a Biology major. I like traveling, listening to music and painting. I spend my free time with friends and family. I recently became a cat mom last year in May and I've been enjoying these past couple months with them.

+ Add comment

Hi from Shanel!



This picture was taken in Grand Teton National Park in Wyoming. 10/10 would recommend.  
Hi everyone, my name is Shanel and I am a Pre-Veterinary Animal Science major. I live in Newport Beach and I currently work at a Vet Hospital in Huntington Beach as a Veterinary Assistant. I have two pups of my own, Chance (German Shepherd mix) and Loki (Golden Retriever). In my free time I enjoy



Hello my name is Irwing I'm 21. I'm majoring in biology to then apply to a masters of nursing program. I enjoy weightlifting, video games, and have a love for animals. I'm looking forward to hopefully not falling any exams

## You. Belong.

Hi from Maya :)



My boyfriend took this picture of me on New Years Eve at Bonelli park. If you want to see a lot of ducks, I highly recommend going there.  
Hi, my name is Maya! I am a second year Biotech major who is also

Hi! I'm Francine :D



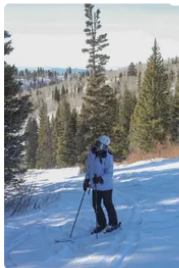
Hey fellow classmates! I'm Francine and I'm a third year Pre-Vet Animal Science major. I'm from San Diego and I enjoy having bonfires/ stargazing at the beach! I enjoy

Hello from Nate!



In the CPP library with a fellow CPP goofball  
Hello my name is Nate. I'm a senior biotechnology major at CPP. I have worked in academic biochemical research for 3 years now, and recently join Dr. Steele's research lab here on campus. I enjoy playing video games with friends and making music. You can find me under Nate Carl on youtube and all streaming platforms. My favorite shows are Avatar: The Last Airbender and HBO's Succession. Check me out. I'd love to talk about

Hello from Kathryn!



The background is of Steamboat, Colorado. I went on a skiing trip to Colorado over winter break and it was amazing.  
Hi everyone! I'm excited to be starting Organic Chemistry this semester. Outside school, I enjoy going to cute coffee shops, beach

hii i'm naveen!



I don't have any fun photos but I love traveling, my favorite places that I've been have to be Rome and England. I love to read and my favorite genre is fantasy, whenever I'm not doing school work, I'll be reading, doing my nails, or spending time with my boyfriend. I really enjoy chemistry and I hope this semester goes well for everyone!!

Hi from Rebeca!



The background is of the Pacific Ocean from Nayarit, Mexico. This is the seventh state in Mexico I have visited, and I hope to visit many more! I enjoy reading fantasy books and watching horror movies. The scariest movie I have seen to date is Talk to Me; I slept with the lights on for months. I also enjoy spending time with my dog, Gini, and my cat

Hi from Lauren!



Me and Butter!!  
Hi!! I'm a second year and majoring in animal science (pre-vet path). I love all the amazing opportunities Cal Poly Pomona has provided me

Hello from Iris Garcia



I am majoring in Animal Science and following the pre-veterinary path. Besides having an immense love for animals, I enjoy reading, running, making art and spending time




Hi my name is Vanessa I like horses and cows. I also have a pet Labrador Retriever named Daisy. I like playing Fortnite, listening to music and watching soccer. I like traveling to Mexico a lot too.

## CHM 3140




# Friday5 Due Today: Padlet Introduction



Walking to centerpointe unfortunately

Hi, I'm Tej

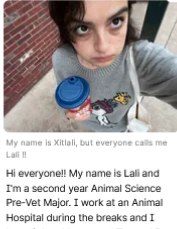
I'm an electrical engineering major but I plan on applying to medical school. I hope to become a neurosurgeon who also works in



Hi everyone, I'm Ivette but I also go as Ivy. I'm currently attempting for my animal science degree with a business minor. My goal is to open my own clinic in Mexico and provide

Hi! I'm Ivette


Hi everyone! My name is Lali and I'm a second year Animal Science Pre-Vet Major. I work at an Animal Hospital during the breaks and I have little tabby named Tommy! I like Dutch Bros, Snoopy, tote bags! If you'd want to get in touch my Insta is @horse\_radish :)



My name is Xitali, but everyone calls me Lali!!

Hi everyone! My name is Lali and I'm a second year Animal Science Pre-Vet Major. I work at an Animal Hospital during the breaks and I have little tabby named Tommy! I like Dutch Bros, Snoopy, tote bags! If you'd want to get in touch my Insta is @horse\_radish :)

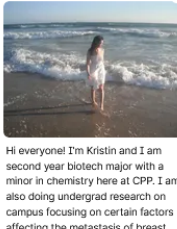
Hi, I'm Xitali!



My name is Emily A. and I am a bio major. In my free time, I like to game with friends, draw, or study animal behavior. I also work at a barnyard rescue sanctuary on my breaks. Fun fact about me is that I helped Bluebell (campus cat) get into vet care so that she could safely deliver her kittens last year. Two kittens remain at the barn and one was adopted. The photo attached is Bluebell with her kittens.

Hi from Emily!


Hi everyone! My name is Angelica and I am a third year bio major. I work as a behavioral tech and I am also involved with multiple clubs/ organizations on campus. I enjoy science



Hi everyone! I'm Kristin and I am second year biotech major with a minor in chemistry here at CPP. I am also doing undergrad research on campus focusing on certain factors affecting the metastasis of breast cancer. Outside of school, I enjoy my time reading (especially Webtoons), listening and dancing to K-pop (mainly SVT and ENHYPEN), watching K-dramas, playing tennis, or swimming. I look forward to

Hi I'm Kristin!

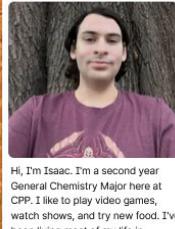
Hi, I'm J' Angelo or JJ for short. I'm from San Diego and I am a third-year biology major here at CPP. I'm currently working as an EMT and my goal is to become a physician assistant. My favorite band is twenty



Hi all! My name is Avery and I'm a 3rd year Animal Science Pre-Vet major with a zoology minor here at CPP. In my free time, I like to hike, go birding, SCUBA dive, and read.

Hello I'm Avery!


Hi! I'm Sawyer and I'm a Biotechnology student. I'm from Washington state, so as the semester progresses I'll probably



Hi, I'm Isaac. I'm a second year General Chemistry Major here at CPP. I like to play video games, watch shows, and try new food. I've been living most of my life in California and enjoy going on walks with my dog.

Hi from Isaac!

Hi everyone! My name is Thomas Gayed, and I'm a sophomore majoring in Biology. My goal is to become a dentist and graduate here in the United States. I'm originally from Egypt, where I was previously enrolled in Cairo Dentistry School, but I decided to continue my education and pursue my career here to achieve my dream.




This is from the Huntington Library.

Hello, I am an environmental biology major and this is my second year here. In the future I would like to work in the forestry service, emphasizing mainly in fire prevention efforts. I love animals (especially my dog), going to concerts, and spending time outdoors. I hope that

Hi, my name is Claire!


Hi, I'm Parisa, I'm a second year and my major is biotechnology. I'm from bay area, close to SF. I'm trying to find internships and other opportunities related to that and after I graduate I want to get an MBA in the UK. I like music, art, reading, and traveling.



Hello everyone! My name is Joshua Kim, and I am majoring in Pre-Vet Animal Science, applying to Vet schools in 2026, hoping to get into a

Hi I'm Joshua Kim


I am currently a Kinesiology major who will be graduating this spring! What I plan on doing after I graduate is applying to PA school in



I am currently a Kinesiology major who will be graduating this spring! What I plan on doing after I graduate is applying to PA school in

Hi my name is Selenal


Hello! My name is Katelyn and this is my 3rd year at CPP. My major is animal science and I am pursuing the pre vet route! I love animals especially my dogs. The one pictured above is Koda and he is a Pitbull Labrador mix. I enjoy playing video games, traveling, and binge watching shows. I am very nervous for this semester but I am trying to



I'm a transfer student from Mt. Sac, I'm a bio major in hopes of going to med school to become an Ophthalmologist. A few things about me are, my favorite color is purple, I love trying new foods, I grew up playing the saxophone (I don't play anymore : but I still have a passion for music). I am definitely nervous about this class but I am determined to pass, I wish us all the best of luck this semester!

Hi from Katelyn!

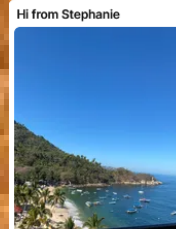
I'm a second year animal science (Pre-Vet) major and I hope to become a veterinarian. I like to listen to music, bake, do crafts and paint. I'm from Santa Ana so I commute to campus. An interesting fact about me is my first pet was a



I'm a second year animal science (Pre-Vet) major and I hope to become a veterinarian. I like to listen to music, bake, do crafts and paint. I'm from Santa Ana so I commute to campus. An interesting fact about me is my first pet was a

Hi, my name is Yvette!

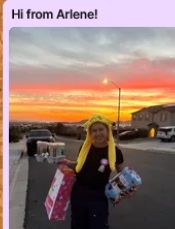
Hi everyone! My name is Stephanie. I'm a 3rd year biology major here at CPP. Outside of school I love to spend time with my family and friends. Something that I really enjoy



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Hi from Stephanie

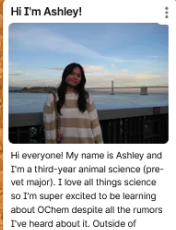
Hey! My name is Arlene and I'm a animal science pre-vet major. I love animals I have 2 dogs a border collie named Bailey and a golden named Max. I also have a calico cat named



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Hi from Arlene!

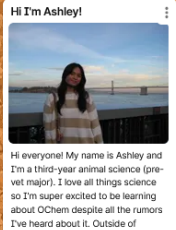
Hi everyone! My name is Ashley and I'm a third-year animal science (pre-vet major). I love all things science so I'm super excited to be learning about Ochem despite all the rumors I've heard about it. Outside of school, I love to crochet and binge watch shows. Other things I love to do is playing games with my friends, spending time with my boyfriend,



Hi all, I'm Marissa and my major is Animal Science Pre-Vet. This is my

Hey from Marissa


Hi everyone! My name is Ashley and I'm a third-year animal science (pre-vet major). I love all things science so I'm super excited to be learning about Ochem despite all the rumors I've heard about it. Outside of school, I love to crochet and binge watch shows. Other things I love to do is playing games with my friends, spending time with my boyfriend,



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Hi I'm Ashley!

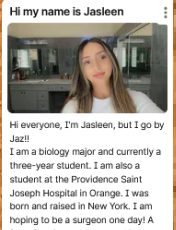
Hello everyone, my name is Tamahara (pronounced Tamara) and I am a third year here at Cal Poly



Hello everyone, my name is Tamahara (pronounced Tamara) and I am a third year here at Cal Poly

Hey from Tamahara!

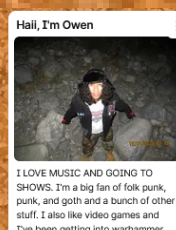
Hi everyone, I'm Jasleen, but I go by Jas! I am a biology major and currently a three-year student. I am also a student at the Providence Saint Joseph Hospital in Orange. I was born and raised in New York. I am hoping to be a surgeon one day! A few of my interests are working on cars with my friends, racing cars at different race tracks, and going to car meets. I am also interested in



Hi everyone, I'm Jasleen, but I go by Jas! I am a biology major and currently a three-year student. I am also a student at the Providence Saint Joseph Hospital in Orange. I was born and raised in New York. I am hoping to be a surgeon one day! A few of my interests are working on cars with my friends, racing cars at different race tracks, and going to car meets. I am also interested in

Hi my name is Jasleen

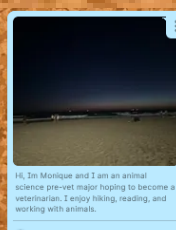
Hi everyone! My name is Ashley and I'm a third-year animal science (pre-vet major). I love all things science so I'm super excited to be learning about Ochem despite all the rumors I've heard about it. Outside of school, I love to crochet and binge watch shows. Other things I love to do is playing games with my friends, spending time with my boyfriend,



I LOVE MUSIC AND GOING TO SHOWS. I'm a big fan of folk punk, goth and a bunch of other stuff. I also like video games and I've been getting into warhammer 40k. I also like reading alot but I'm slow at finishing books. I'm a bio major and I wanna become an

Hail, I'm Owen

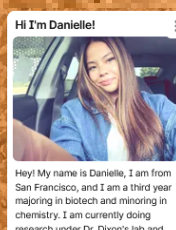
Hi, I'm Monique and I am an animal science pre-vet major hoping to become a veterinarian. I enjoy hiking, reading, and working with animals.



Hi, I'm Monique and I am an animal science pre-vet major hoping to become a veterinarian. I enjoy hiking, reading, and working with animals.

Hi, I'm Danielle!

Hey! My name is Danielle, I am from San Francisco, and I am a third year majoring in biotech and minoring in chemistry. I am currently doing research under Dr. Dixon's lab and aim to finish this semester! After undergrad, I hope to go the medical route of biotech and become a



Hey! My name is Danielle, I am from San Francisco, and I am a third year majoring in biotech and minoring in chemistry. I am currently doing research under Dr. Dixon's lab and aim to finish this semester! After undergrad, I hope to go the medical route of biotech and become a

Hello from Ashley Nguyen!

Hi everyone! I'm Ashley and I'm in my last semester at Cal Poly. I'm a Kinesiology major and after graduating from CPP, I'm looking to go into Nursing school (hopefully an accelerated program) for my BSN. I'm excited to take this course

CHM  
3140

You.  
Belong.



# Welcome to CHM 3140!



**Hello! I'm Stephany**

Hey everyone. My name is Stephany Barroso. I hope to pass this class and be eligible to graduate next semester! I enjoy hanging out with my family and our pets. I have two kiddos and a hubby, two dogs, and 1 bengal cat. I love coffee and books! I think it's safe to assume I'll be consuming a lot of coffee this semester.



**hey, I'm Chase**

Hey, guys. I'm Chase Crawford. I'm a 3rd year at CPP studying Bio. I enjoy rock climbing, doing stuff with my four brothers, and a bunch of other neat hobbies. On the weekends, I'm an EMT over in Riverside saving lives and getting experience to build my resume for PA school later down the road.



**Hey Guys :)**

Hello Everyone, my name is Krystin and I'm an animal science/pre-vet major. In my free time I love volunteering at my local animal shelter, going to the beach, watching movies, and going to sporting events. Hope everyone has a great semester!



**Hello, I'm Luna!**

Hello everyone! My name is Luna Julian and I am in my sophomore year majoring in Animal Science: Pre-Vet. I plan on attending veterinary



**Hi I'm Mia!**

Hi everyone! This is my second semester at CPP. I recently transferred from community college in SD. I am a Biology major and planning to go to nursing school after getting my bachelors. On my spare time I like trying new restaurants and cafes, working out, and hanging out with my kitten.



**Hello There**

Hello, my name is Robert Jimenez. I am a 3rd year chemistry major. In my free time I love to watch movies, shows, read comics, and play video games.



**Hi Hi :)**

Hi everybody! My name is Andrea Peralta and I'm a fourth year majoring in psychology. I plan to go to dental school and become an orthodontist. In my free time I enjoy



**Hello, everyone!**

me and keshi

Hello, my name is Adrian Alog. I am currently in my third year majoring in biology at CPP. In the future, I plan on becoming a clinical laboratory



**Hi I'm Maria**

Peep my bearded dragon, Carti, in the background.

My name is Maria but I go by Alena. I am currently a second year biology major, minoring in Animal & Veterinary Science. Summer breaks I intern with a large animal vet and volunteer at animal shelters on winter and summer breaks. In my



**Hi I'm Lily**

I'm majoring in animal science pre vet & hopefully I can get into grad school. I live in Perris, CA. I enjoy going out to places & weight lifting!



**Hi everyone!!**

Hi everyone, my name is Emily Zacarias and I am a second-year Animal Science Pre-Vet major. I enjoy plates, running, cooking, and currently work part-time at a animal hospital.



**Hello everyone!! I'm Elizabeth**

Hi everyone, my name is Elizabeth Garcia and I am a fourth year in pre-vet. I am excited to start working with animals and helping our pet community. My hobbies include traveling, hiking, reading and sliding horses. I also started watching vampire diaries for the first time and am loving it!



**Hi everyone, I'm Francesca**

I'm a second year majoring in Animal Science/Pre-Vet. I have a cat, tarantula, and 7 reptiles. My cat knows recall, sit, and shake. I like doing my own research on training animals like cats and dogs. I even



**Hi everyone! I'm Elisa :)**

My family! I'm the second from the left.

Nice to meet you all! I am a 4th-year Bio major trying for an emphasis in Neuroscience and Physiology. I am not from around here and I live on campus during the school year, but my hometown is about 4 hours away in the Central Valley! (I live in the



**Hi! I'm Bella :)**

My name is Bella, I'm a 3rd year Pre-Vet major. I am a manager at an animal rescue & do all vaccines, adoption appointments, photos for animal bios posted on our website for potential adopters to see & know about the animal before meeting &



**Hi, I'm Lynne!**

Nice to meet everyone! I'm a fourth year biotechnology major with a minor in physics. I enjoy playing video games, watching movies, and reading in my spare time as well as taking pictures of everything when visiting botanical gardens, museums,



**Hi I'm Kimberly**

I'm a senior in animal science pre-vet. That's my sweet boy Riley in the back. I plan to go into small animal medicine. I like to spend most of free time sleeping or catching up on my shows, occasionally I'll paint. I love to go to the aquarium to see otters and take Riley on different roadtrips all across CA to see more of the world. I hope everyone does great this semester!



**Hi! I'm Ayanna**

Hello everyone, I am currently a biology major and will be graduating in the fall. I plan to continue my education with a plan to get my masters in molecular biology and a phd related to virology and immunology. I grew up in Chino Hills but moved to the South Bay a few years ago so I can be closer to the beach. I have two German shepherds, one male and one female. My male pup's name is Titan and he is 3 years old and female pup's name is Nyx and she is 2 years old. When I'm not studying I like to



**Hello from Cynthia!**

Hi everyone, my name is Cynthia Solis. I am an environmental biology major. I love to bake, listen to music, and crocheting! This is my husband and my cat, Leon :)



**Hi I'm Paige!**

Hi everyone, my name is Paige Nguyen and I am currently a 3rd-year biology major. I plan to further my education with the goal of becoming a pharmacist. I am from the IE and in my free time I enjoy hanging out with my friends and taking photographs outdoors. I also



**Hi I'm Ian**

Hey, I am a third year environmental biology student and I want to pursue a career in conservation. In my free time I like to go snowboarding, hang out with my friends, and play video games. Looking forward to O Chem.



**Hi, I'm Tavin!**

Hello everyone, my name is Tavin Nguyen. I am a 3rd-year biology



**Hi I'm Elijah**

Hello everyone, I am Elijah Huang. I am a second year biotechnology student planning on attending medical school once I graduate. I hope to specialize in neurology.



**Hello from Jackie!**

Hi everyone, my name is Jacqueline Martinez (Jackie). I am an animal science pre-vet major with the hopes of becoming a veterinarian. I



**Hello from Dayana**

Hello Everyone, my name is Dayana Menzo. I am an animal science (pre-vet) major at Cal Poly



**Hi, I'm Aryssa :)**

\*My bearded post from my trip in 23 O

I am a 4th year, animal science major with an emphasis in pre-vet. I currently work at an animal hospital as a veterinary assistant and will finally start applying to vet schools next semester (my last sem hopefuly). Aside from being a part-



**Hi, I'm Ian**

I am a 3rd year env. bio major. I'm from teneccula and spend most of my time skating, rock climbing, and playing video games. I just joined a research lab with Dr. Scordato and hope to build a career in environmental sciences :)



**Hi from Kallynel!**


Hello! My name is Kallynel Zaour and I am a second year here majoring in biology! I plan to go to optometry school and specify in pediatrics. I enjoy going on hikes and nature and hanging out with my family and friends!

CHM  
3140

You.  
Belong.




# Looking forward to a great semester!




**Hi I'm Melany**

Hi! My name is Melany Amador. I'm a 4th year animal science pre-vet major and I also have an equine science minor. I work as an RA on campus and I am also a business administrator for a court interpreter. I love dancing, thrifting, reading, crocheting and sleeping in when I have time



**I'm Miguel!**


Hi y'all, I'm a 3rd year animal science major. Right now I'm planning to go to vet school, however I'm also very interested in working for the agriculture scenery such as working



**Hello everyone**

Picture of my cousin (left) and I (right) at Camp Flog Gnaw this past November.

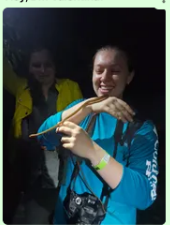
My name is Samantha, I'm a senior pre-vet student here at CPP. I love spending time with my friends,



**Hey!!!**

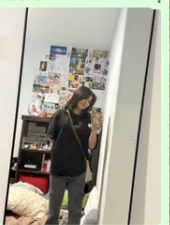
This is a picture of me in Late Telex over winter break. I went for a few days with my family and went snowboarding.

Hey everyone! My name is Jaime. I'm a third year majoring in Animal



**Hey, I'm Valentina!**

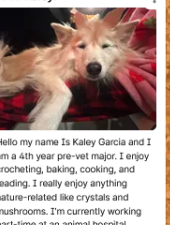
I am a 2nd-year environmental biology student interested in evolutionary biology. My goal is to pursue a career in genomic research



**hello!! :D**


Hi everyone!

My name is Zoe and this is I've been at CPP for about 2 years now. I'm




**Hi im Kaley!**

Hello my name is Kaley Garcia and I am a 4th year pre-vet major. I enjoy crocheting, baking, cooking, and reading. I really enjoy anything nature-related like crystals and mushrooms. I'm currently working part-time at an animal hospital.




**Hi, my name is Janelly Chagolla.**

I am a 3rd year and my major is animal health science. I have 3 dogs, 4 cats, 2 birds, 6 goats, and lots of chickens, my home is basically a




**hi guys im alisha!**

Im a 3rd year biotech major. im from Anaheim but now I live in Upland with some roommates. this is actually my roommate's cat but we kind of co-parent her. she's the sweetest cat ever. this isn't much of a hobby but im really involved in my church and i really love hanging out with my friends after church. I love reading books too. another fun fact is that I used to dance for 10 years but ive retired now lol.



**Hi! I'm Isabella**


I am a second-year biology student. I love music especially house or EDM. I am Lebanese and can speak 4 languages. My passion is dancing (I've been doing it since I was four). Fun fact about me is I love the ocean and if I could live in it I would. I am looking forward to be in this class with all of you guys wishing the best



**Hi, I'm Arturo Escobar!!!**


Hours after my beloved motorcycle was crashed into it.

Hey, my name is Arturo Escobar. I am a third year here at Cal Poly; my major is Biochem, which I hope to either take into the Dentistry Field or Pharmaceutical Research. I am a commuter near the Azusa Canyons but I love driving around often. I



**Hello! I'm Sophia**


Hey! My name is Sophia and I am a third year Animal Science Pre-Vet major. I transferred from SFSU but I am originally from the Los Angeles area. When I am not at school I am either working as a veterinary assistant or hanging out with friends. I hope to one day work in animal conservation, specifically with big



**Hi, I'm Laura**


San Gabriel Mountain 2017

I was an art major until my friend asked me to take a field botany class with her in community college and



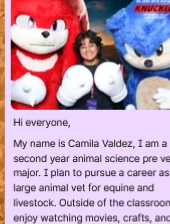
**Hi, I'm Judith**

Hi, I am currently in my third year here at Cal Poly Pomona. I am majoring in Biology and plan on going to dental school. During my free time I love to cook, bake, and watercolor. I love listening to music on my record player or electronic devices, hanging out with my friends, and exploring different places.



**Hello!**

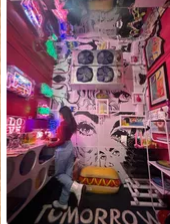
Hi, I'm Hannah and I'm a second year biology major. I love spending



**Hi, I'm Camila!**


Hi everyone,

My name is Camila Valdez, I am a second year animal science pre vet major. I plan to pursue a career as a large animal vet for equine and livestock. Outside of the classroom I enjoy watching movies, crafts, and being with my friends.




**Hi, I'm Liz!**

Hey everyone :D My name is Liz Salem & I'm a 4th year biology major. I currently plan to either pursue further education and become a physicians assistant, or become a full time actress once I graduate (still deciding lol). In my free time, I love



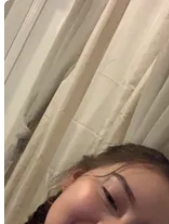
**Hello, my name is Jovanny.**

I'm on my second semester at Cal Poly. My major is Biology. My goal is to become a Clinical Lab Scientist. Outside academics, I love to travel, attend my freshwater aquarium, play video games, hike and eat food. I also attend the gym but I hate it. I



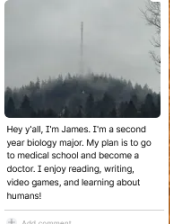
**Im Rebekah**

My name is Rebekah and I am an Animal Science Pre vet major. I love to gym, read, draw, do board games, and hang out with friends when I have free time. I work as a vet tech in an animal clinic near my house. Some fun facts about me is that I am a marvel fan, I've deadlifted 315lbs before and I am going on a mission




**Hi hi!!**

My name is Taiana Espinoza, I'm 21 and a 3rd year biotechnology major. This is my second semester at CPP




**Hey, I'm James!**

Hey y'all, I'm James. I'm a second year biology major. My plan is to go to medical school and become a doctor. I enjoy reading, writing, video games, and learning about humans!



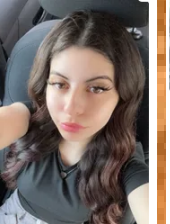
**Hi everyone, my name is Avian.**

I'm a pre-vet major in my senior year. I love animals, going to the beach and



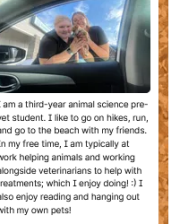
**Hi I'm Ken**

I'm a second-year biochemistry major. My hobbies mainly consist of studying different biological subjects, playing video games, and spending time with my cats Oscar and Timmy.




**hi I im victoria :)**

hey everyone I im victoria and im a




**Hi! I'm Marissa!**

I am a third-year animal science pre-vet student. I like to go on hikes, run, and go to the beach with my friends. In my free time, I am typically at work helping animals and working alongside veterinarians to help with treatments, which I enjoy doing! :D I also enjoy reading and hanging out with my own pets!



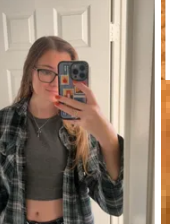
**Hi I'm Brady**

Hi everyone! My name is Brady I am a third-year animal science pre-vet major. In my free time, I enjoy playing pool, Catan, and dominos. I am Tustin, California and have lived here my whole life.



**Hello! Call me Thien :)**

Nice to meet you all! I'm Thien (think of the letter "T" + "N") Ho, a second year biotechnology major. I'm looking to get into nursing after CPP, so I suppose you'll catch me in the nursing home in some way or another. In my free time I try to juggle my twenty or so craft-related hobbies, drink coffee, and study.



**Hi guys, I'm Elisel**

This is my second year at CPP. I'm an animal science pre-vet major. In my free time, I like to go to sporting

You.  
Belong.

CHM  
3140





# February

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
|    |    | 1  | 2  | 3  | 4  | 5  |
| 6  | 7  | 8  | 9  | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 |    |    |    |    |    |

*Do you know what  
this weekend is?*

# CHM 3140 Organic Chemistry I, Dr. Laurie S. Starkey, Spring 2025

Tentative Schedule (Chapter and *Worksheet/Step* # given for each day)

| Week | Mon  | Tues                      | Wed  | Thurs            | Fri                |
|------|------|---------------------------|------|------------------|--------------------|
| 1    | 1/20 | 1/21<br>Ch. 1 #1          | 1/22 | 1/23<br>Ch. 1 #2 | You<br>are<br>here |
| 2    | 1/27 | 1/28<br>Ch. 1 #3 Ch. 2 #1 | 1/29 | 1/30<br>Ch. 2 #2 |                    |
| 3    | 2/3  | 2/4<br>Ch. 3 #1           | 2/5  | 2/6<br>Ch. 3 #2  | 2/7                |
| 4    | 2/10 | 2/11<br>Exam Review       | 2/12 | 2/13<br>Exam I   | 2/14               |

Coming up...**Chapter 3** (Acid-Base Chemistry), and **Exam I**



To prepare for an organic chemistry exam, what is the best use of my time?

- A) Watch YouTube videos.
- B) Work on textbook problems.
- C) Rewrite my notes.
- D) Rewatch Dr. Starkey's lectures.
- E) Attend office hours.

To prepare for an organic chemistry exam, what is the best use of my time?

A) Watch YouTube videos. *?!!*

*\** B) Work on textbook problems. *#1*  
*\** *\** *\**

C) Rewrite my notes. *passive*

D) Rewatch Dr. Starkey's lectures *passive*

E) Attend office hours. *Got Questions?*  
*lecture* *worksheet* *textbook problems*



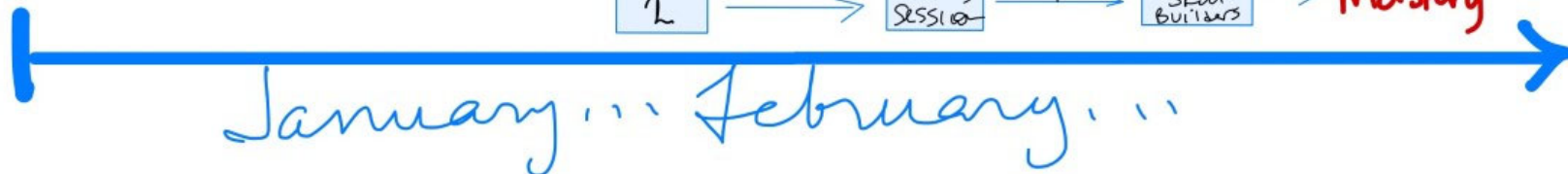
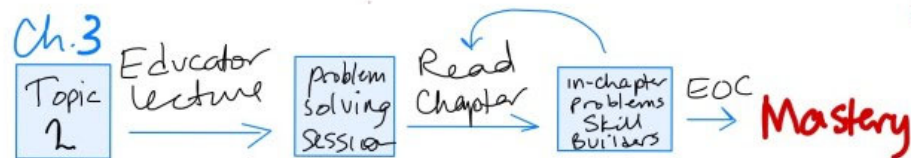
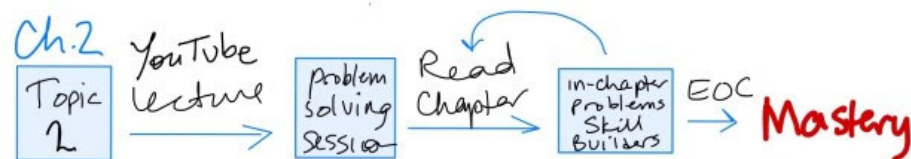
To prepare for an organic chemistry exam, what is the **SECOND** best use of my time?

- A) Watch YouTube videos.
- B) Work on textbook problems.
- C) Rewrite my notes.
- D) Rewatch Dr. Starkey's lectures.
- E) Attend office hours.

To prepare for an organic chemistry exam, what is the SECOND best use of my time?

- 
- ~~A) Watch YouTube videos.~~
- B) Work on textbook problems.
- ~~C) Rewrite my notes.~~
- ~~D) Rewatch the Educator lectures.~~
- ~~E) Attend office hours.~~

There is no  
Shortcut to  
Mastery



MIDTERM

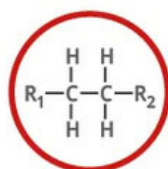
2/13



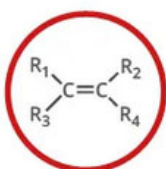
# FUNCTIONAL GROUPS IN ORGANIC CHEMISTRY

FUNCTIONAL GROUPS ARE GROUPS OF ATOMS IN ORGANIC MOLECULES THAT ARE RESPONSIBLE FOR THE CHARACTERISTIC CHEMICAL REACTIONS OF THOSE MOLECULES. IN THE GENERAL FORMULAE SHOWN BELOW FOR EACH FUNCTIONAL GROUP, 'R' REPRESENTS THE REST OF THE MOLECULE, AND 'X' REPRESENTS ANY HALOGEN ATOM.

● HYDROCARBONS 
 ● SIMPLE OXYGEN HETEROATOMICS 
 ● HALOGEN HETEROATOMICS 
 ● CARBONYL COMPOUNDS 
 ● NITROGEN-BASED 
 ● SULFUR-BASED 
 ● AROMATIC



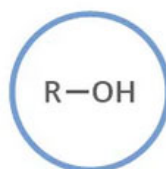
**ALKANE**  
Naming: -ane  
e.g. ethane



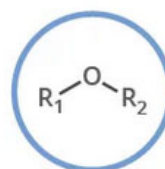
**ALKENE**  
Naming: -ene  
e.g. ethene



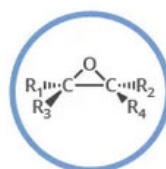
**ALKYNE**  
Naming: -yne  
e.g. ethyne



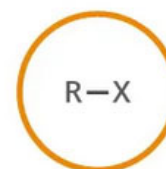
**ALCOHOL**  
Naming: -ol  
e.g. ethanol



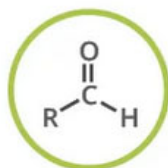
**ETHER**  
Naming: -oxy-ane  
e.g. methoxyethane



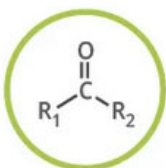
**EPOXIDE**  
Naming: -ene oxide  
e.g. ethene oxide



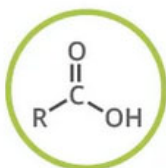
**HALOALKANE**  
Naming: halo-  
e.g. chloroethane



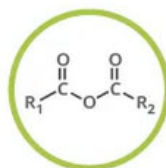
**ALDEHYDE**  
Naming: -al  
e.g. ethanal



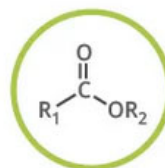
**KETONE**  
Naming: -one  
e.g. propanone



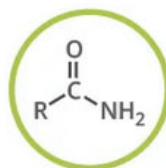
**CARBOXYLIC ACID**  
Naming: -oic acid  
e.g. ethanoic acid



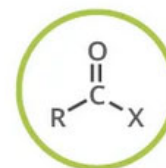
**ACID ANHYDRIDE**  
Naming: -oic anhydride  
e.g. ethanoic anhydride



**ESTER**  
Naming: -yl -oate  
e.g. ethyl ethanoate



**AMIDE**  
Naming: -amide  
e.g. ethanamide



**ACYL HALIDE**  
Naming: -oyl halide  
e.g. ethanoyl chloride



**AMINE**  
Naming: -amine  
e.g. ethanamine



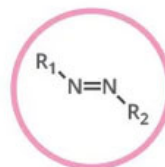
**NITRILE**  
Naming: -nitrile  
e.g. ethanenitrile



**IMINE**  
Naming: -imine  
e.g. ethanimine



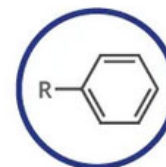
**ISOCYANATE**  
Naming: -yl isocyanate  
e.g. ethyl isocyanate



**AZO COMPOUND**  
Naming: -azo-  
e.g. azoethane



**THIOL**  
Naming: -thiol  
e.g. methanethiol



**ARENE**  
Naming: -yl benzene  
e.g. ethyl benzene

