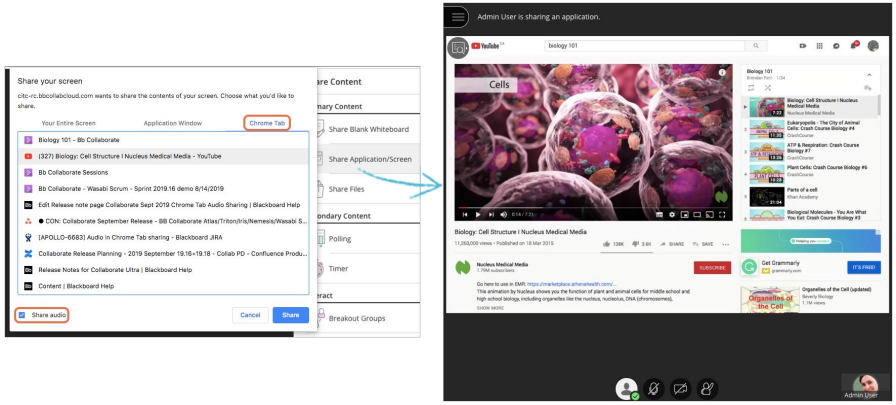
Music Intro

- Less awkward
- Conversation starter
- Time to relax as a presenter

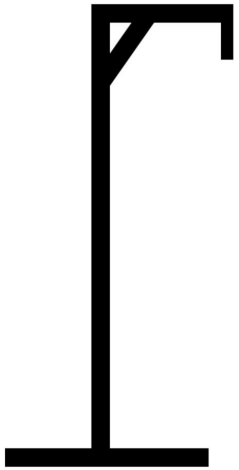
- Bandwidth
- Can’t show anything else at the same time



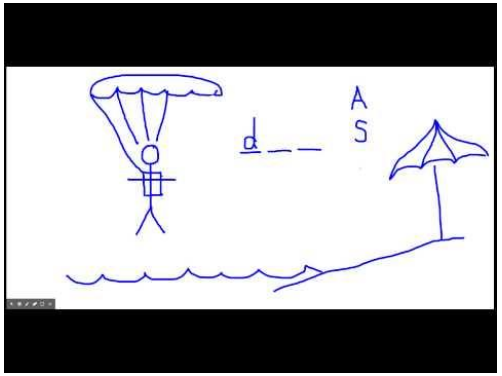
https://help.blackboard.com/Collaborate/Ultra/Moderator/Moderate_Sessions/Share_Content

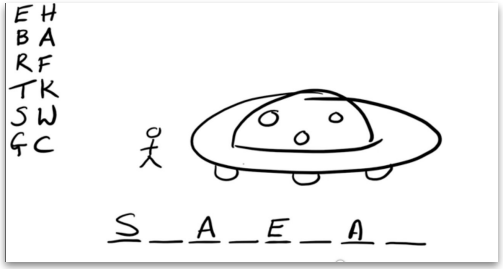
Welcome to Quirkiness of Quercus!

How to play: Guess letters one at a time to solve the word puzzle. **Type a letter in the chat to guess.** Be warned, every time you guess a letter wrong, a piece of the “hangman” is added.



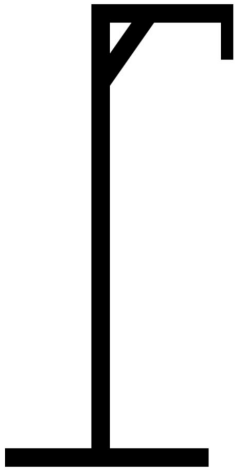
Alternatives



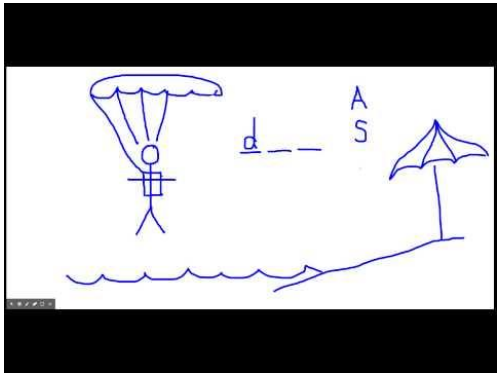


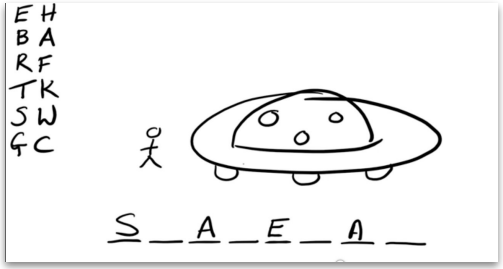
~~Hangman~~

How to play: Guess letters one at a time to solve the word puzzle. **Type a letter in the chat to guess.** Be warned, every time you guess a letter wrong, a piece of the “hangman” is added.



Alternatives





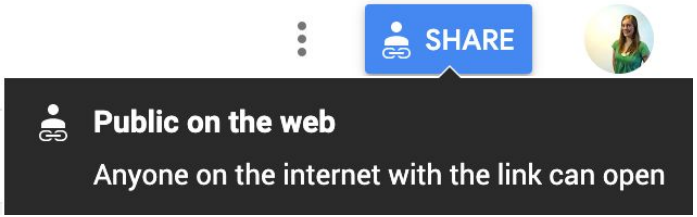
Quirkiness of Quercus

Building Community within Online Courses


UTEA
Tanzin Mahabir
Tom Pruyn
Joanna Roy
Nitish Kumar
Sophie Kim
Abhay Verma
Shevien Rhule
Daniel Foster
Marieta Angjeli
Mimi Le
Adneen Mir
Vishnu Akundi
Xiao Beattie
Dina Bernstein
April Luna
Talha Talha
Mahzabin Karim
Rahemeen Ahmed
Jeffrey Qiu
Lina Mollazadeh
Lilian Kang
Selena Lombardi
Denyce Riley
Awale Omar
Muskan Sethi
Henry Prickett-Morgan
Heerea Rikhraj
Hannah Kot
Amy Huang
Kathleen McAdam
Urara Murakami
Leigh McNeil-Taboika
Joshua Reyes
Samantha Butt
Nadia Candler
Tina Sokhanvar
Sam Paradi-Maropakis
James Xu
James Koxoska
Calvin He
Fatima Hassan
Ameya Datta
Michela Trozzo
Yca Meriel
Polina Yurchenko
Meghna Ravikumar
Shanine Despacio
Victoria de Paula Leite Rocha
Eleanor Vaz
James Du
Kadia Mohsin
Petra Alexson
Mickole Mulano
Yazan Zamel
Monica Lecce
Larry Kei
Chris Meyer

Parking Lot:

- Questions that are not immediately relevant.
- Questions that you do not have the answer to right now.



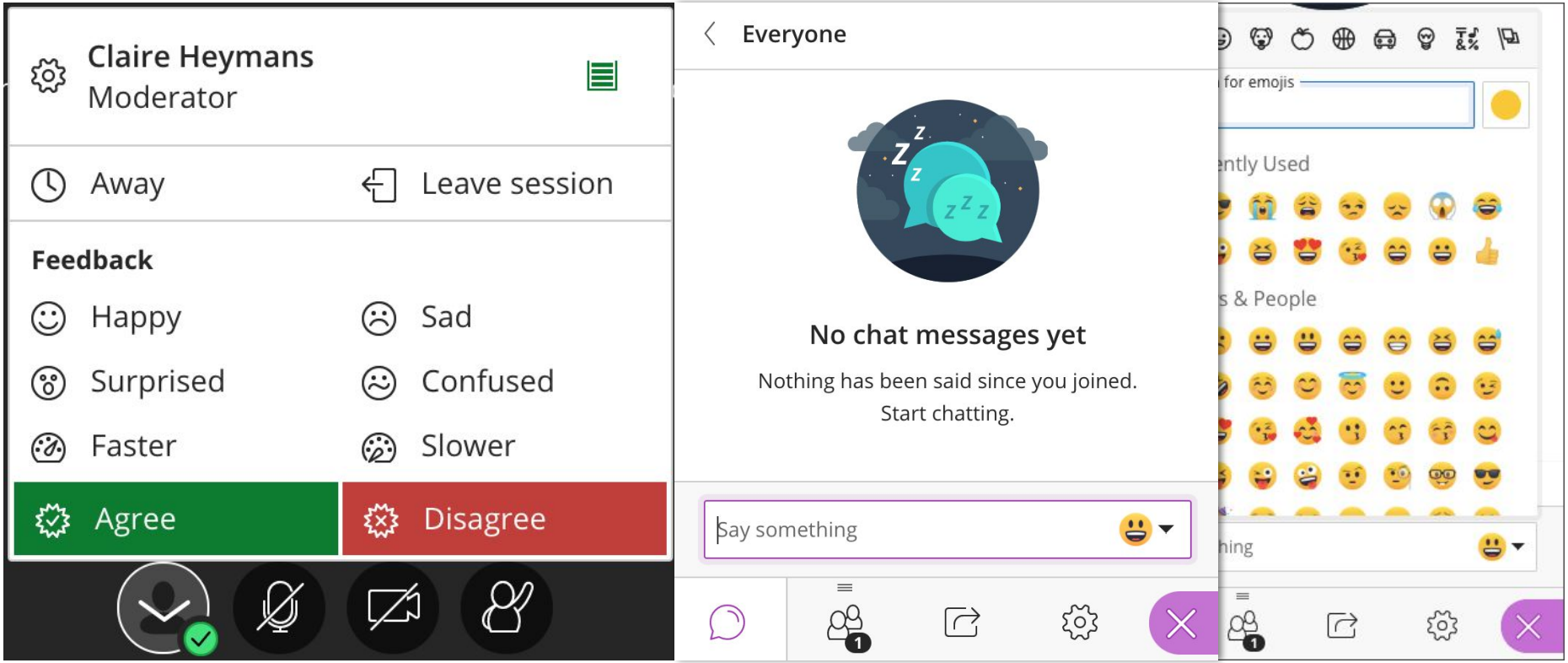
Today's Parking Lot:

https://jamboard.google.com/d/1HGRSgBtZ0aCKoRyRZDj-HLhg4PRCccx8VU-dwgT6WNc/edit?usp=sharing

or

https://bit.ly/QuirkyQuercus

Feedback


Claire Heymans
Moderator
Away
Leave session
Feedback
Happy
Sad
Surprised
Confused
Faster
Slower
Agree
Disagree
Everyone
No chat messages yet
Nothing has been said since you joined.
Start chatting.
Say something
for emojis
ently Used
s & People

What is U of T Engineering Academy?

To help you transition to U of T Engineering, we created an exclusive program called U of T Engineering Academy (UTEA). This free, optional, self-directed, not-for-credit program has been designed in consultation with current Professors, curriculum leads and members of the First Year Office, as well as current high school teachers to ensure that key concepts for success will be covered in the course content.

UTEA leverages a suite of established online materials to provide you with a refresher on core high-school-level math, chemistry and physics curriculum. Being fluent in this content is essential to meeting the demands of your first-year engineering classes, across all disciplines, including Engineering Science.

As an added bonus, you'll receive guidance from current upper-year U of T Engineering students throughout your time with UTEA. They will share their own experiences, help you get to know the Skule™ community and keep you focused on what you need to know for academic success.

UTEA at a Glance

- Optional, free, self-directed, and not-for-credit. First-year instructors will not see your work, and the results will not be part of your University record.
- Curated suite of established online materials to help refresh your knowledge of necessary math, chemistry and physics content.
- Interesting, real-world challenge problems to practice problem solving skills that are essential to thriving in first year.
- Engage with current students to start building your community. Small group review sessions and conversations about first year with current undergraduate students will help guide your experience.
- Fun surprises to get you ready for all the excitement of first year!

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965 first-year students

54 student-staff

≤ 6 weeks to plan

UTEA at a Glance

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Interviews

Instructions

Please submit a single 5-minute video file of your responses to the following questions. You are not required to do any post-production video editing.

Question 1
Scenario: You found out that two students from your class have been interacting inappropriately with each other on the virtual learning platform. What would you do?

Question 2
Scenario: If a student from your class found you on Facebook and sent you a Zoom link to get to know you further, how would you respond?

Question 3
Please teach us any concept related to high-school-level math, physics or chemistry in 3 minutes. You may use any materials to assist you, such as a pen and paper, note-taking software, and/or props.

U of T Engineering Academy

Student: incoming first-year students

Course Staff/TA: Academic Mentors

Teacher: Team Leaders, Curriculum Experts, me

Staff Training

Student: Academic Mentors

Course Staff/TA: Team Leaders, Curriculum Experts

Teacher: Me!

U of T Engineering Academy

Home
Bb Collaborate
Announcements
Discussions
Modules
Pages
Quizzes
Assignments
Grades
Collaborations
Files
People
Syllabus
Outcomes
Rubrics
Settings

Welcome!

UofT ENGINEERING ACADEMY

Start Here

Math | Physics | Chemistry

Weekly Schedule:

Tuesdays Math STAR Groups meet, Chemistry and Physics HAPPI Hours
Wednesdays: Chemistry STAR Groups meet and Physics STAR Groups meet, Math HAPPI Hours
Thursdays: Math STAR Groups meet

Please check the Groups tab to see what time your sessions are. Watch this video to find out how to access your sessions.

Current time at the University of Toronto:

Tuesday, August 25, 2020
9:20 pm EDT

Staff Training

Welcome new Academic Mentors to the

U of T Engineering Academy - Staff Community!

Training Dates:

- Welcome + Logistics: June 17, 2020 at noon on Bb Collaborate (Course Room)
- Subject-Specific Meetings with Curriculum Experts: TBD

Do after submitting your signed Letter of Offer to Claire:

- Read all orientation emails from Claire
  (Sent to the email address you used to apply. Please email us know if you would rather use a different email address.)
- Order your Criminal Record Check
- Submit your video as part of the UTEA Welcome Video

HTML Code for “Current Time at University of Toronto”

```
<p style="text-align: center;">
<strong>Current time at the University
of Toronto: </strong>
</p>

<p style="text-align: center;">

<iframe
src="https://freesecure.timeanddate.com
/clock/i7de5he2/n250/tlca/fc25355a/ftb/
tt0/th2/ts1/ta1/tb4" width="218"
height="34">
</iframe>
</p>
```

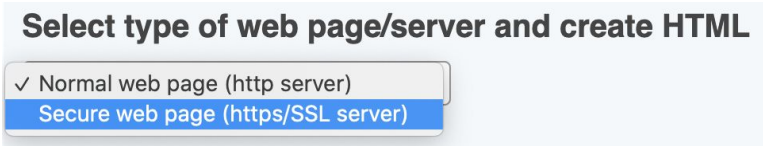
Current time at the University of Toronto:

Wednesday, August 26, 2020
5:15 pm EDT

Generate your own clock:

https://www.timeanddate.com/clocks/free.html

You must select secure webpage (on “Get HTML” page) for this code to work on Quercus.



EHS002 Basic Health and Safety Awareness Training

Published | Edit | ⋮

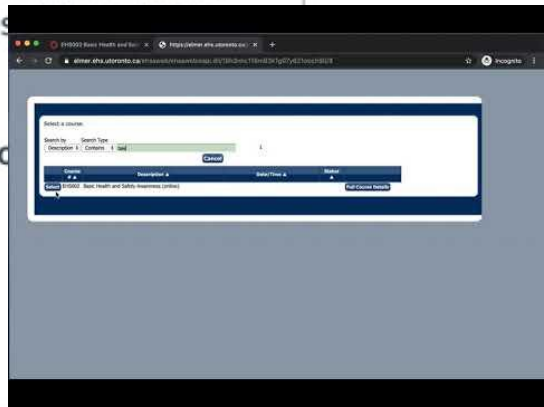
Please note you require your UTORid in order to access this training. **Please visit the My EHS Training website to register and for instructions on how to access all online courses.** (Please click on the "Log into My EHS Training" button at the bottom of the page.)

My EHS Training is ONLY accessible from the U of T campus, OR **through VPN access to the server**, available for faculty, staff and graduate students. To obtain VPN access see these instructions .

Once you are logged in, choose "Select from all available courses" and search for "basic health and safety awareness." You can then select "Register for this Course" to finish the registration proces **taken back to Quercus to complete the course.**

Once you are done the course, please *print* your grades as a PDF. **This file is what you uplo the assignment.**

Struggling? Watch this video to see all the steps:



Moderating a STAR Session

All STAR sessions will have at least two Engineering Outreach Office staff in attendance. One is facilitating the STAR session; the other will act as a moderator. The moderator is responsible for the following:

- Ensure a safe space for all students by monitoring the chat and other tools
- Support students having technical difficulties
- Provide accommodations for students

What if ?

What if a student is making inappropriate comments?

Inappropriate comments include any "vexatious conduct that is directed at one or more specific individuals, and that is based on the race, ancestry, place of origin, colour, ethnic origin, citizenship, sexual orientation, gender identity, gender expression, age marital status, family status or disability."

Start by reminding the student of the Code of Conduct and/or U of T's Equity Policy, frame this as **maintaining a comfortable learning environment**. Use a **private chat** message; do not call out the student in front of their peers. (All chats during UTEA will be moderated. This means that Academic Mentor who is facilitating the session will also have access to the private chat.) Give the student the benefit of the doubt, they may just not be aware that what they were doing was inappropriate. Please document the incident in your post-STAR Report.

If the behaviour continues, you have several options depending on the severity of the incident:

- Remind the whole group about the Code of Conduct and/or U of T's Equity Policy. Let students know that they are welcome to message you privately if they are not sure about the appropriateness of a behaviour.
- Send a message on Teams to Larry, Shevien, or Claire for support. (Not always available.)
- In a private chat, give the student a final warning. You can tell them that they will be asked to leave the STAR Session if the behaviour continues. Use "remove from session " to remove the student if needed.

You must document the use of these options in your post-STAR Report.

What if a student is experiencing technical difficulties?

Whenever possible, use a private chat to resolve technical issues. (This allows the other students to continue with the STAR Session without distraction.) Depending on the issue, you can suggest the following:

- Close other programs, turn off video, use headphones, etc. for a better experience .
- Suggest that the participant phone into the session . Please warn them that this may be a long-distance call. (U of T is not responsible for long-distance fees.)
- Encourage students to arrive early to familiarize themselves with Bb Collaborate before the session starts. (All sessions will start 15 minutes early.)
- Check the Bb Collaborate Troubleshooting page for more potential solutions.

What if a student needs an accommodation to participate in the STAR Session?

The University of Toronto is committed to ensuring that Bb Collaborate and Quercus are both usable and accessible to all users regardless of age, ability, or situation.

<notes from Annicka's training>

Review the Tips for Accessibility for Online Course Delivery sheet.

Lastly, make sure the student knows that accommodations at the university level are handled differently than they may be used to. For September courses, it is important that the student complete the Accessibility Services registration process by July 17.

What is the access code for the survey at the end of this module?

Thanks for reading carefully! The access code is Ex@mple0f$trongPa$$w0rd . Please make note of this for the survey.

Training Module 3

This is a short survey to confirm that you have read and understood Training Module 3. The code required to access the quiz can be found within this module. (Think of it as a surprise scavenger hunt!)

Quiz Type	Graded Survey
Points	1
Assignment Group	Training
Shuffle Answers	No
Time Limit	No Time Limit
Multiple Attempts	Yes
Score to Keep	Highest
Attempts	Unlimited
View Responses	No
Access Code	Ex@mple0f$trongPa$$w0rd
One Question at a Time	No
Anonymous Submissions	No

Training Module 3

This survey is restricted by an access code. You'll need to ask your teacher or proctor to type in or tell you the access code in order to take the survey.

Access Code: Submit

UTEA Welcome Video

We have received a lot of feedback from you and your peers on how to fos
the incoming first year students. Therefore, we are planning to release a vi
U of T Engineering family.

Video Details:

- Name
- Year of Study
- Discipline
- Which high school are you from?
- Choose one of the following:
  - What do you do in your spare time? Do that in the background if possible.
  - Mini talent show: play an instrument, do a handstand, juggle... or anything you'd like
  - What do you like about U of T?

Your video submissions will be put together with a transistion of passing cups. Please begin your video by holding a cup (of your choice) off screen in your right hand and bringing it towards you on screen. The end of your video, you will be passing the cup off screen on the left. After passing the cup off screen, pause for 3 seconds and say "Welcome to U of T!".

Submission details:

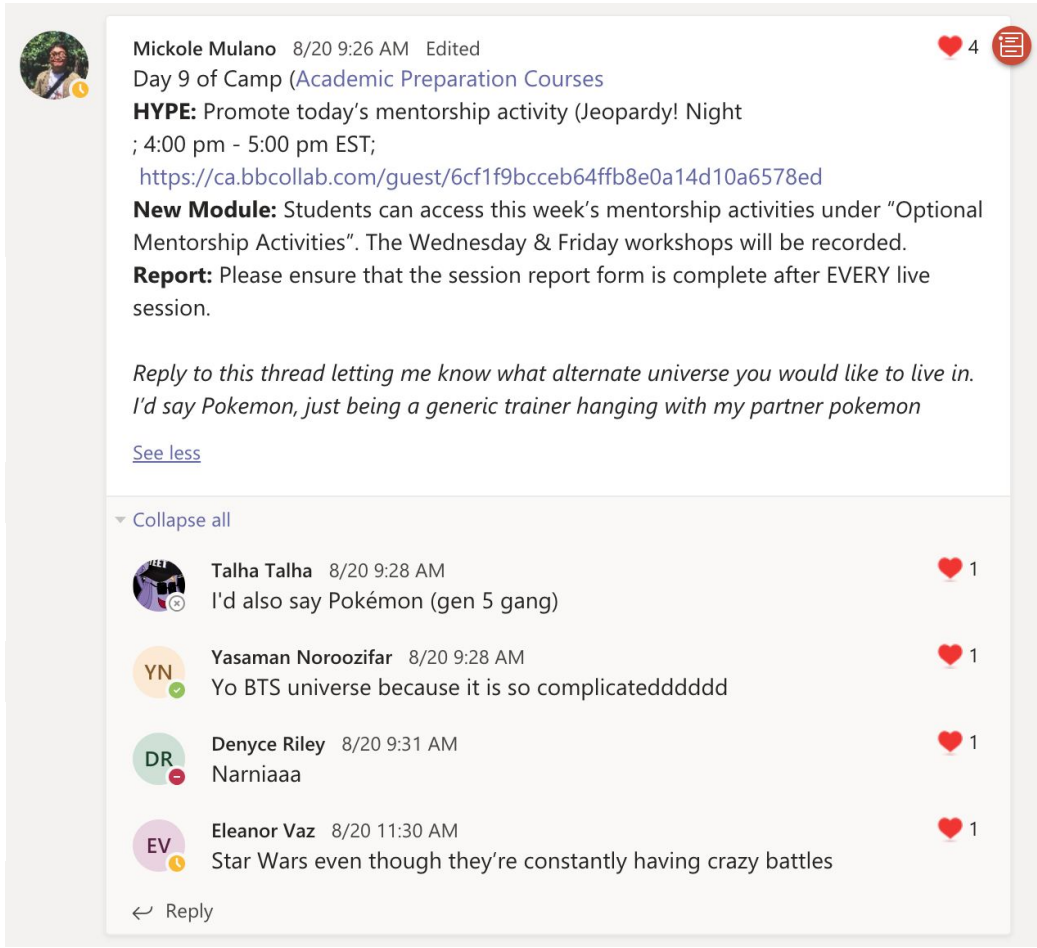
- Horizontal / Landscape view, preferrably aspect ratio of 16:9
- Upload your file as MOV, AVI or MP4 only
- Name your file [FirstName] - [Math/Phy/Chem].fileextension
- In the submission comments, please type in the following

“Let me know that you’ve read this by…”

Reply back with the song/album that you're currently listening to. I love hearing about other's music interest !!!
I was recently informed that Katy Perry's Teenage Dream album is 10 years old....and I got kinda nostalgic and started listening to it plus other stuff from that year.

Reply to this letting me know what Hogwarts house you're. Pottermore says I'm in Ravenclaw, but low key prefer to be a Hufflepuff. (Don't @ me).

Reply to this letting me know what you're most excited about for the weekend (apart from preparing for Week #3 of course :)) For me it's retail therapy and trying to finish the last level of a game I'm playing (FE3H fyi)



Online Learning

How to Access LinkedIn Learning

As a student, staff, or faculty member at University of Toronto, you have access to LinkedIn Learning , an online learning resource with high-quality instructional videos taught by recognized experts. Using your UTORid to log in, you may choose from more than 1,400 online self-paced courses that cover a wide range of topics, including business, IT, software, and design. The LinkedIn Learning platform is available to any current student or employee at the University.

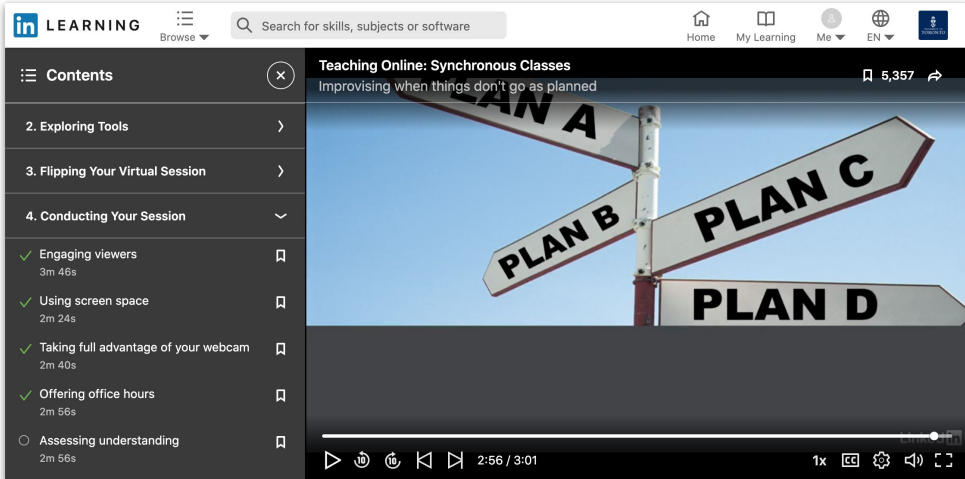
1. Go to https://www.linkedin.com/learning/
2. Select the "Sign In" button
3. Enter your U of T email address (other Ontario post-secondary institutions also have access)
4. Redirected to UTORid login

Mandatory Course

As part of this module, you are expected to complete the Teaching Online: Synchronous Classes course on LinkedIn Learning. As proof of completion, you will need to answer reflection questions **or** upload the LinkedIn Learning Certificate.

More LinkedIn Learning

- Developing Curriculum
- Teaching Complex Topics
- Learning to Teach Online
- Accessibility for Web Design
- Instructional Design



Low Risk vs. High Risk Icebreakers

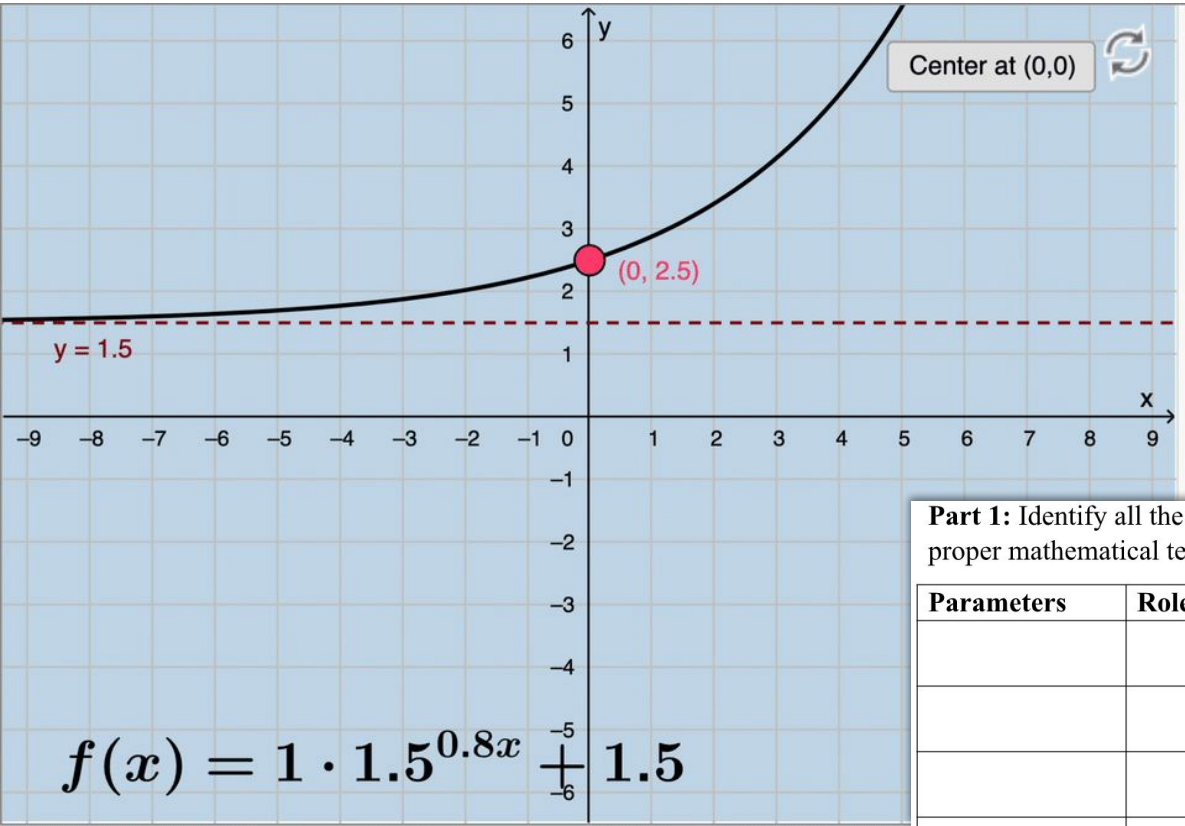
- ~~hangman~~/parachute/spacecraft (guess the word)
- Pictionary (Quick Draw)
- “I’m going on a picnic and I am bringing …” (guess the rule)
- This or That
- Super Selfie
- Magic Squares (challenge task)

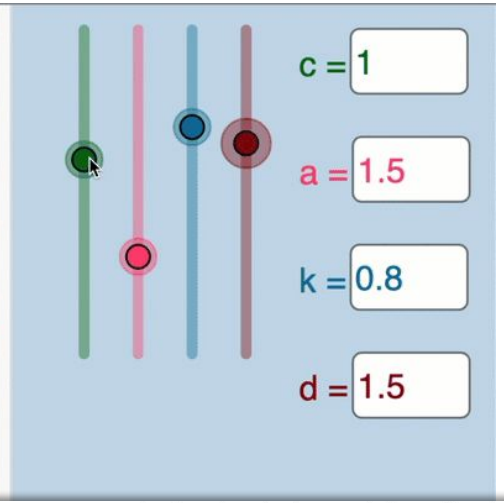
	$-x(4-x)$	$3x+x\cdot x$
x^2+x+x	$x\cdot x$	
	$x(x+4)$	

- Three things in common (use breakout groups)
- What TV show are you currently watching? (Or book?)
- Two Truths and a Lie
- ~~Describe your worst nightmare. What did you do after waking?~~
- ~~Have you ever been on a cruise?~~
- ~~What is your spirit animal?~~

Minds On: What do you notice? What do you wonder?

This simulation below allows you to virtually investigate the math topics in this activity. By changing the different parameters in the simulation, you will be able to be see how th changes in the parameter affect the math concept we are exploring.





Part 1: Identify all the parameters in the simulation and describe their role using proper mathematical terminology. *Add more rows if needed

Parameters	Role of this parameter (proper math terminology)

Convince me that the statements below are wrong!

$(-1)^{1/2} = 1$

$-2^4 = 16$

$(b^x)^2 = b^{x^2}$

$2x^{-n} = \dfrac{1}{2x^n}$

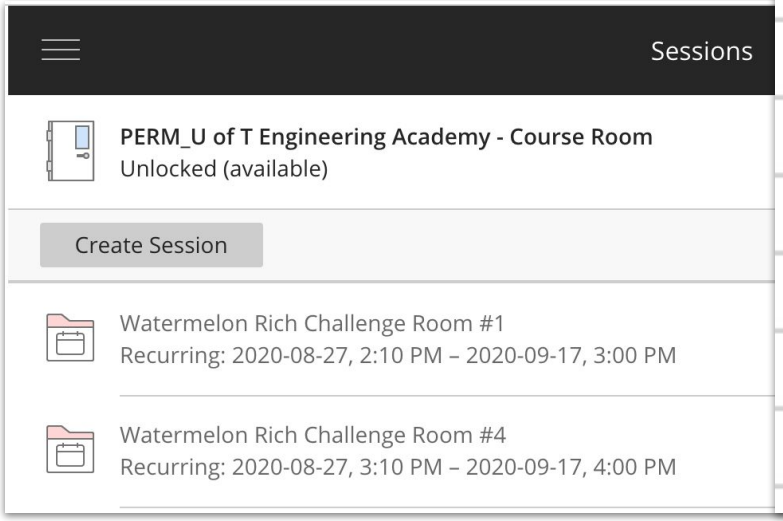
A) Consider using counterexamples in convincing me that each statement is wrong. This means to choose some specific values for the variables to show that the statement is not always true.

B) Find specific values for which each statement is true if possible.

Note: Take initiative and share your answers in the live session.

Rich Task

Group Work



Preferred Time	Count of Students
8:00 AM EST	114
9:00 AM EST	113
11:00 AM EST	203
1:00 PM EST	141
3:00 PM EST	109
5:00 PM EST	54
7:00 PM EST	27
9:00 PM EST	39
11:00 PM EST	37

Chemistry Discussion 1.2a - What is Chemistry?

Kathleen McAdam

Jun 1 at 12am

292 341

3 Sections

Before you took any chemistry courses, how did you picture a chemist or chemistry lab? What misconceptions existed? How did your understanding evolve after taking chemistry courses in secondary? Summarize and post your thoughts. Respond to at least 5 other posts.

Sananshi Thukral

Jun 1, 2020

I always used to think that chemistry was all about labs, where someone would wear a white coat, mix some red blue chemicals together and fumes would be coming out of the test tube. But as I started learning chemistry in secondary (grade 9 and 12), I realised there were so many core concepts such as atoms, bonding, etc which are a part of this subject. As I came to grade 11 and 12, I found out that a lot of the chemistry I had already learned was barely anything. There were so many misconceptions that were cleared only in grade 11 and 12.

Reply (2 likes)

Cam Clark

Jun 1, 2020

I thought the same thing about chemistry when I was younger. Then same as you, I've learned so much more about it but really we are just scratching the surface.

Reply

Abhi Sharma

Jun 1, 2020

As a child, the image of what chemistry embodied when I thought of it reminded me of the Cartoon Show Dexter's Laboratory where he mixes chemicals to make new chemicals by simply eye-balling chemicals to make a new potion of dazzling power. After taking chemistry and learning more I found that understanding the composition of chemicals, their nature and how they will react is essential for all experiments following the scientific method.

Reply (2 likes)

Natalie Chan

Jun 1, 2020

I totally get what you mean! I feel like my perception of chemistry when I was younger came from a lot of cartoons!

Reply

Genevieve Aguigwo

Jun 1, 2020

Renee Yan

Jun 3, 2020

In my grade 12 chemistry class, one of the labs that we completed was an esters lab! This was a really fun and interesting lab (mostly because of the smells)! This video was detailed and informative which is why I chose it. As well, one of the esters that we made in class was from salicylic acid and methanol, which was also shown in the video. The concept covered in this video was esterification, which was explained pretty well.

Reply (6 likes)

Katerina Vovk

Jun 4, 2020

A girl in my class used titration to find out how temperature affects vitamin c content in broccoli for her internal assessment.

Reply (3 likes)

Briana Chen

Jun 19, 2020

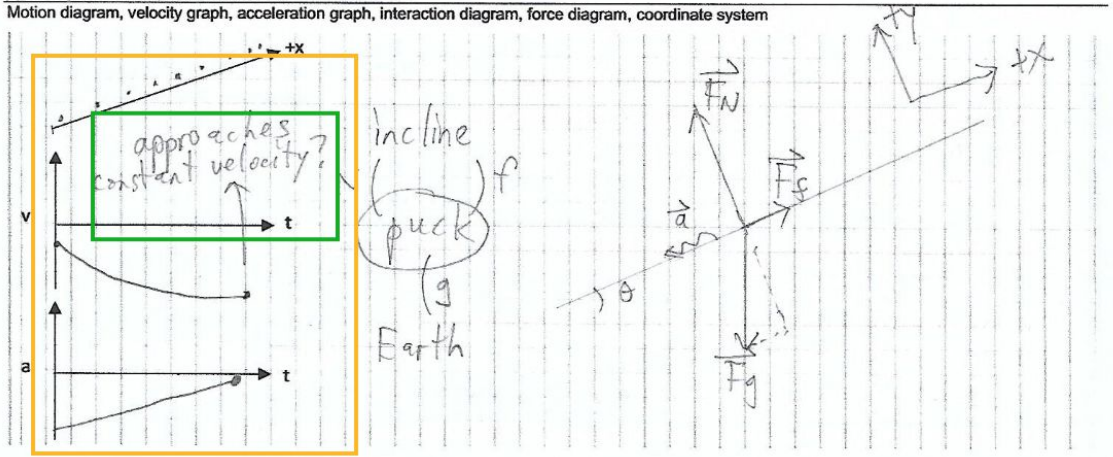
wow that is so cool!!! What did she find?

Reply

7. Our goal is to understand what is happening to the forces the puck experiences on the downward trip. Complete the physics representation for this interval. **Hint:** you have equations for v and a to help you sketch the graphs!

B: Physics Representation

Motion diagram, velocity graph, acceleration graph, interaction diagram, force diagram, coordinate system



Select Group to Grade

Physics | Almond | Meets at 3:00 |

SpeedGrader™

Download Submissions

https://www.desmos.com/calculator/qvwuikbvn2

here we've graphed v(t) = 1.29t^2 -2.56t - 0.18 (the derivative we found on the previous page). Make sure you understand that on the worksheet, we drew the segment of the graph that is in the domain of interest (we are just looking at the puck's journey back down the incline, so the decreasing segment of v(t) from t = 0).

This is a quadratic. If you look on the desmos graph, as you approach the minimum value from the left side, the slope decreases (the curve "flattens out"), so we are approaching constant velocity.

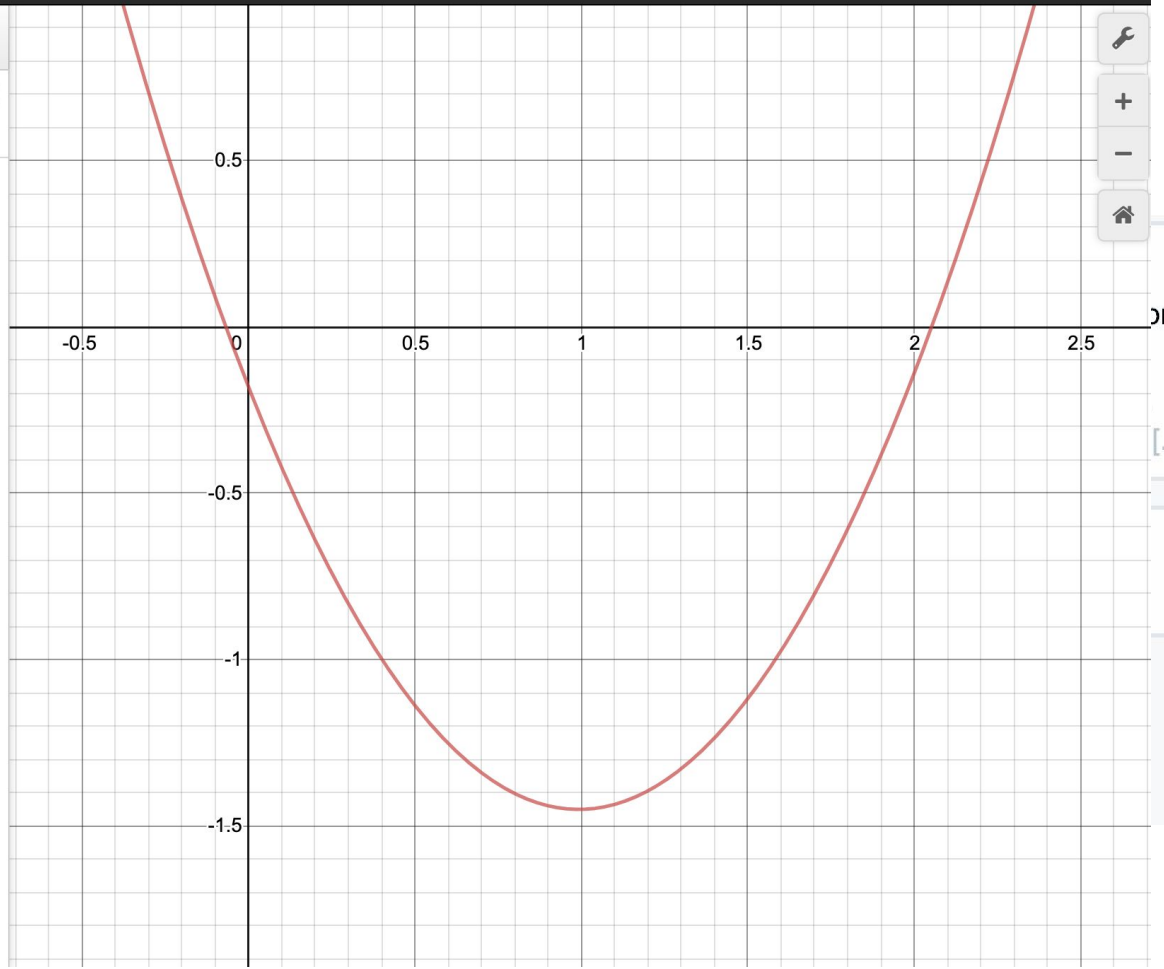
Sophie Kim
ECE 2T3 + T1

Untitled Graph

desmos

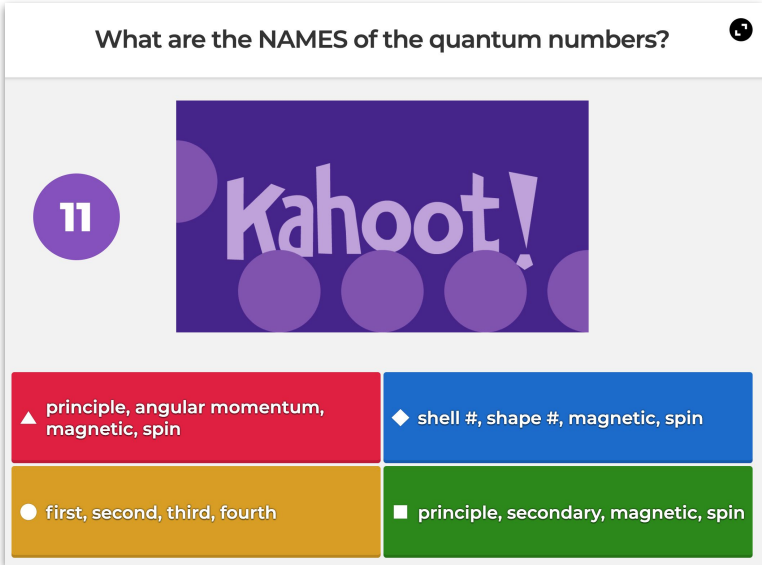
Log In or Sign Up

$y = 1.29t^2 - 2.56t - 0.18$



powered by desmos

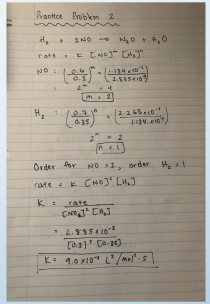
Try it out:
https://kahoot.it/challenge/03116394
Credit to Xiao Beattie, ChemE 2T2



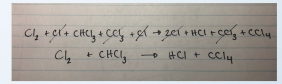
Word of the Day

Try to Guess Today's Word!

- Like all sessions, there will be a secret theme today
- Certain slides will consist of hints located on the bottom left (where the blue square is)
- Try to combine the hints to guess the word at the end!



$Cl_2 \rightarrow 2\,Cl$ fast
$Cl + CHCl_3 \rightarrow HCl + CCl_3$ slow
$CCl_3 + Cl \rightarrow CCl_4$ fast

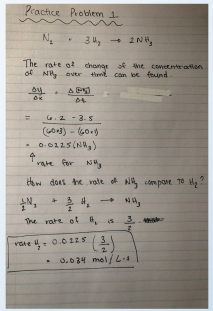


a) Write the equation for the overall reaction.
b) A substance is added that decreases the activation energy for step 1. Will this speed up, slow down, or have no effect on the rate of the overall reaction? Explain.
c) Is there a catalyst in this mechanism? If so, what is it?
d) Is there an intermediate in this mechanism? If so, what is it?
e) Which step is the rate determining step?

Practice Problem 1

What is the average rate of disappearance (in mol/L•s) of hydrogen for the system, between 1.0 and 3.0 minutes, if the concentration of ammonia is 3.5 mol/L after 1 minute and 6.2 mol/L after 3.0 minutes?

$N_2(g) + 3H_2(g) \rightarrow 2NH_3(g)$



Self Assessment – How did it go?

QUESTIONS?

Did any of you guess the word?

The Word was CARNIVAL

Credit to Adneen Mir, Civ 2T3

Parking Lot

https://bit.ly/QuirkyQuercus

Claire Heymans

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You can find me on Microsoft Teams; my email inbox is a disaster right now. 🤦‍♀️

Help with Bb Collaborate (“Bb Collaborate Ultra”):
https://help.blackboard.com/Collaborate/Ultra

Help with Quercus (“Canvas”):
https://community.canvaslms.com/t5/Instructor-Guide/tkb-p/Instructor

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Simulations:
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https://www.geogebra.org/
https://www.desmos.com/

Just for Fun

- Kahoot: https://kahoot.com/
- Virtual Escape Rooms: https://forms.gle/BiwzRYpyavrscQ7f7
- Huge Movie Collection through U of T Libraries: https://mediacommons.library.utoronto.ca/streaming-video (you can cancel Netflix!)