Perusall

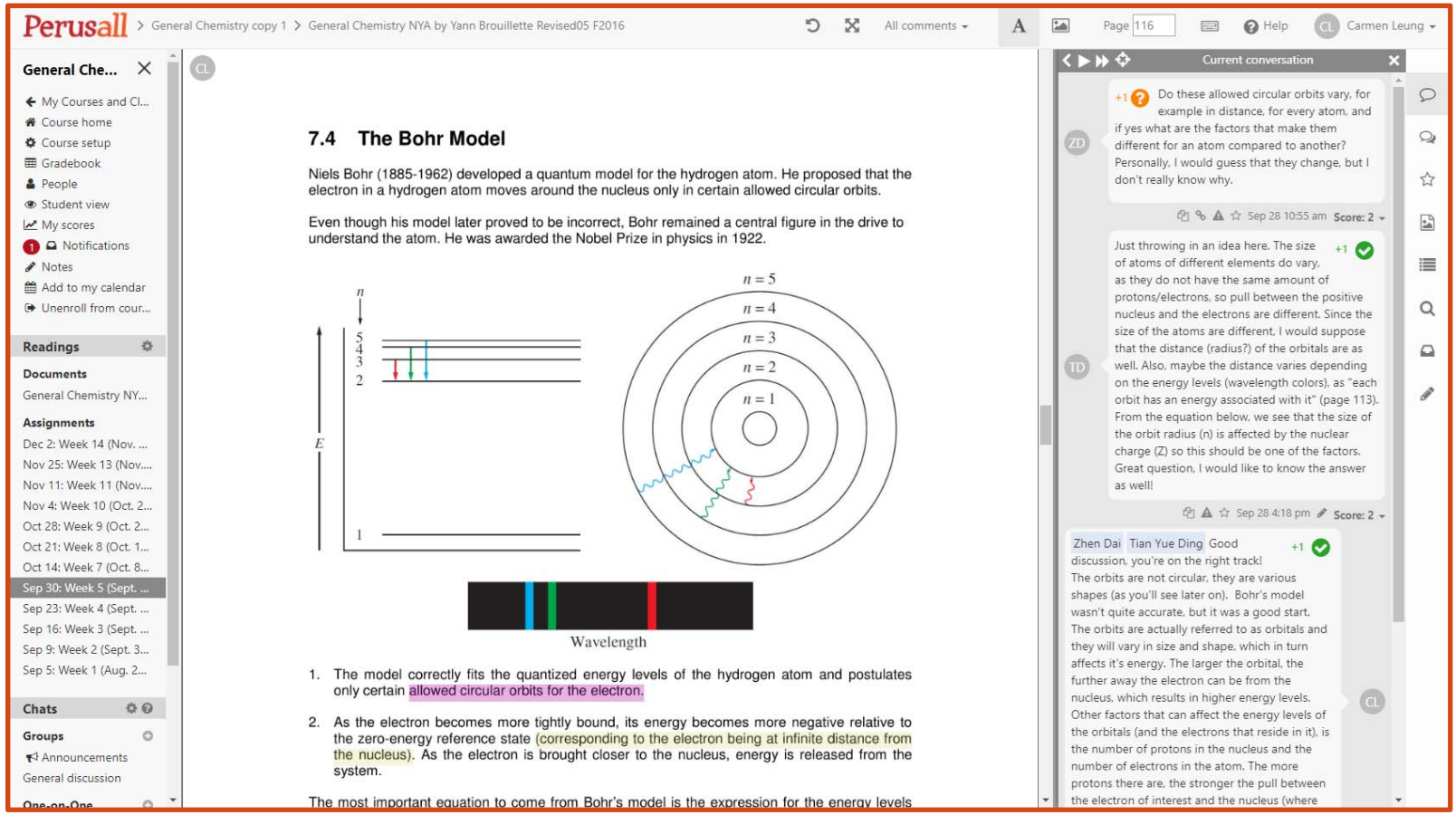
Carmen Leung
cleung@dawsoncollege.qc.ca

Yann Brouillette
ybrouillette@dawsoncollege.qc.ca

DAWSON COLLEGE SALTISE

WHAT IS Perusall ?

- A collaborative e-book reader
  - Developed at Harvard University by Eric Mazur, Gary King, Brian Lukoff and Kelly Miller



WHAT IS Perusall ?

YouTube Video

- https://www.youtube.com/watch?v=bxEfWdfxj28&feature=youtu.be

WHAT IS Perusall ?

- Instructors assign readings
  - Engages students outside of class
  - Prepares students ahead of lectures
  - Highlights which concepts were troublesome for students
  - Shows which topics were most engaging for students
  - Optimizes in-class lecture time with students

- Students
  - Complete readings online
  - Directly annotate the text or images, and respond to each other's comments and/or questions about the readings
  - Individual activity is turned into a collective activity

WHAT IS Perusall ?

- Free online platform
  - Perusall itself is free
  - Documents that you have the rights to can be used without cost
  - Books or articles can be purchased through Perusall

- Two versions
  - Stand-alone version (use directly from website)
  - Through your institution's Learning Management System (ex. Moodle, Blackboard, Canvas, etc.)

HOW DOES IT WORK?

Perusall > General Chemistry copy 1 > General Chemistry NYA by Yann Brouillette Revised05 F2016 — All comments — Page 110 — Help — Carmen Leung

General Che...

- My Courses and Cl...
- Course home
- Course setup
- Gradebook
- People
- Student view
- My scores
- Notifications
- Notes
- Add to my calendar
- Unenroll from cour...

Readings

Documents

General Chemistry NY...

Assignments

Dec 2: Week 14 (Nov. ...
Nov 25: Week 13 (Nov....
Nov 11: Week 11 (Nov....
Nov 4: Week 10 (Oct. 2...
Oct 28: Week 9 (Oct. 2...
Show more...

Chats

Groups

Announcements
General discussion

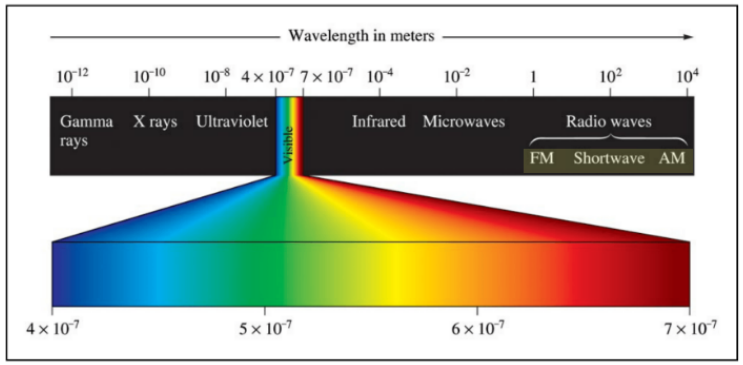
One-on-One

Hashtags

#26282a
#antibonding
#bonding
#ce0000

Classification of Electromagnetic Radiation

For example:
The energy from the sun reaches the earth mainly in the form of visible and ultraviolet radiations
The glowing coals of a fireplace transmit heat energy by infrared radiation
A microwave emits microwave radiations.



Example:
Calculate the frequency of a green light of wavelength 5.10×10^{2} nm.

Solution:
1) Convert wavelength to frequency:

$$\lambda\nu = c \quad \text{therefore} \quad \nu = c / \lambda$$

2) $$\nu = \frac{2.9979 \times 10^{8}\ \text{m}\cdot\text{s}^{-1}}{5.10 \times 10^{-7}\ \text{m}} = 5.88 \times 10^{14}\ \text{s}^{-1} = 5.88 \times 10^{14}\ \text{Hz}$$

7.2 The Nature of Matter

Current conversation

SG — What are gamma rays used for? Can one die due to the exposure of gamma rays? Also, what is the highest wave frequency ever recorded?
Sep 27 9:51 pm Score: 1

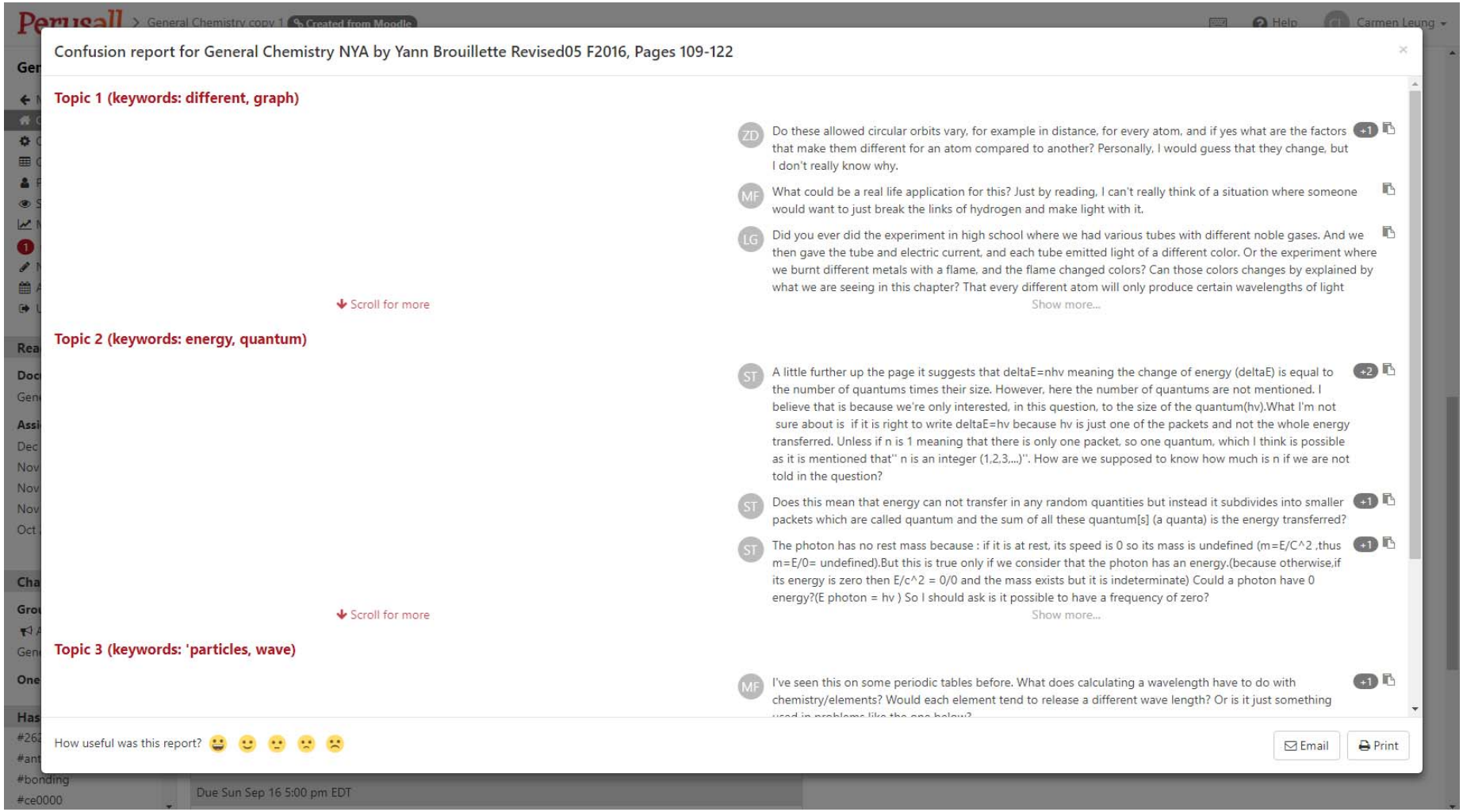
ZD — Gamma rays are the electromagnetic radiation that have the most energy. Thus they can kill cells and can be used to treat malignant tumors in radiotherapy. I think that if someone is exposed to these rays in the wrong way they could die. As for the highest wave frequency I don't really know.
Sep 28 10:26 am Score: 2

KP — I tried to look it up online, and I found out that emisssion of waves are measurable below 10^24 Hz, which are obvisouly very high intensity gamma rays. However, there have been reports stating that they have been able to measure over 10^29 Hz, which is quite impressive !
Sep 28 11:00 pm Score: 2

LG — Consider that just x-rays can be really dangerous if you are exposed to them. And since gamma rays are even stronger, I guess they are even more dangerous by a lot.
Sep 30 3:57 pm Score: 1

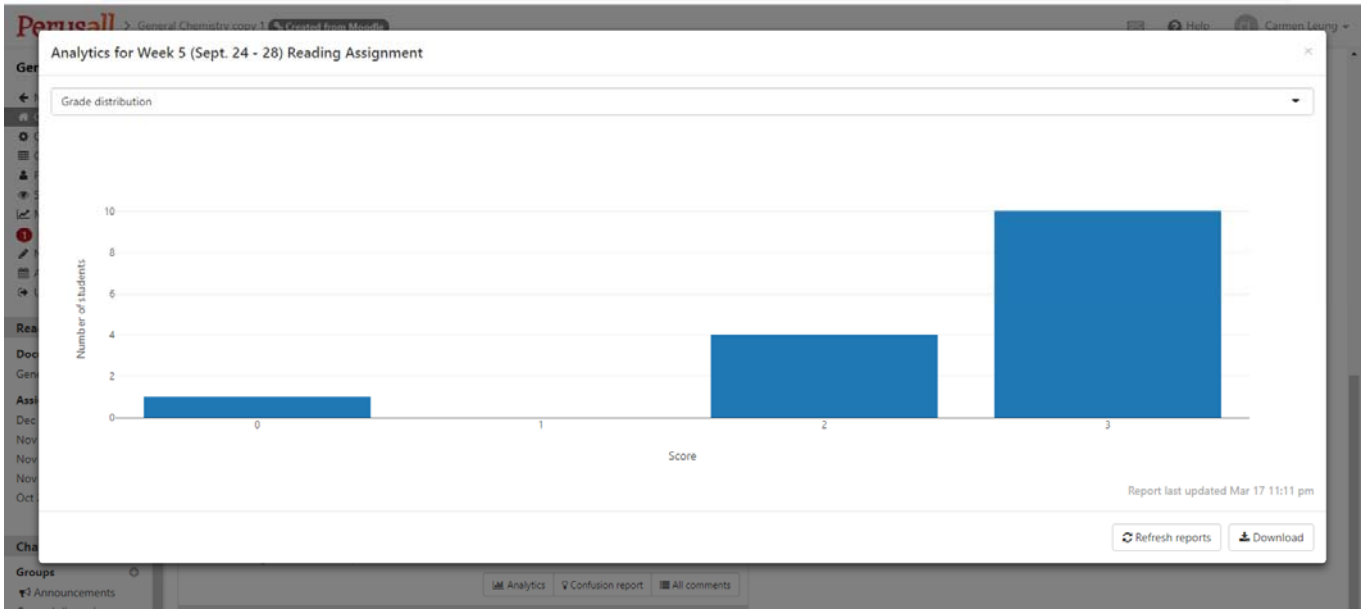
CL — Enter your comment or question and press Enter. Mention a friend by typing @. Add hashtags by typing #.

CONFUSION REPORT



ANALYTICS

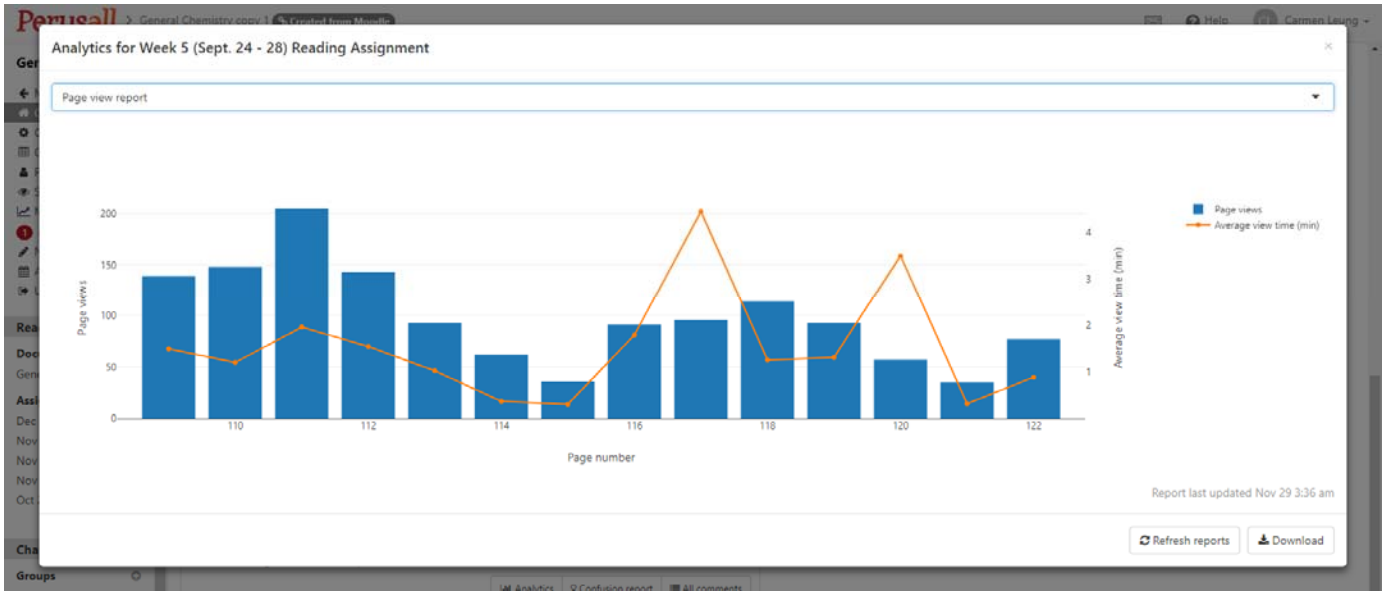
- Grade distribution

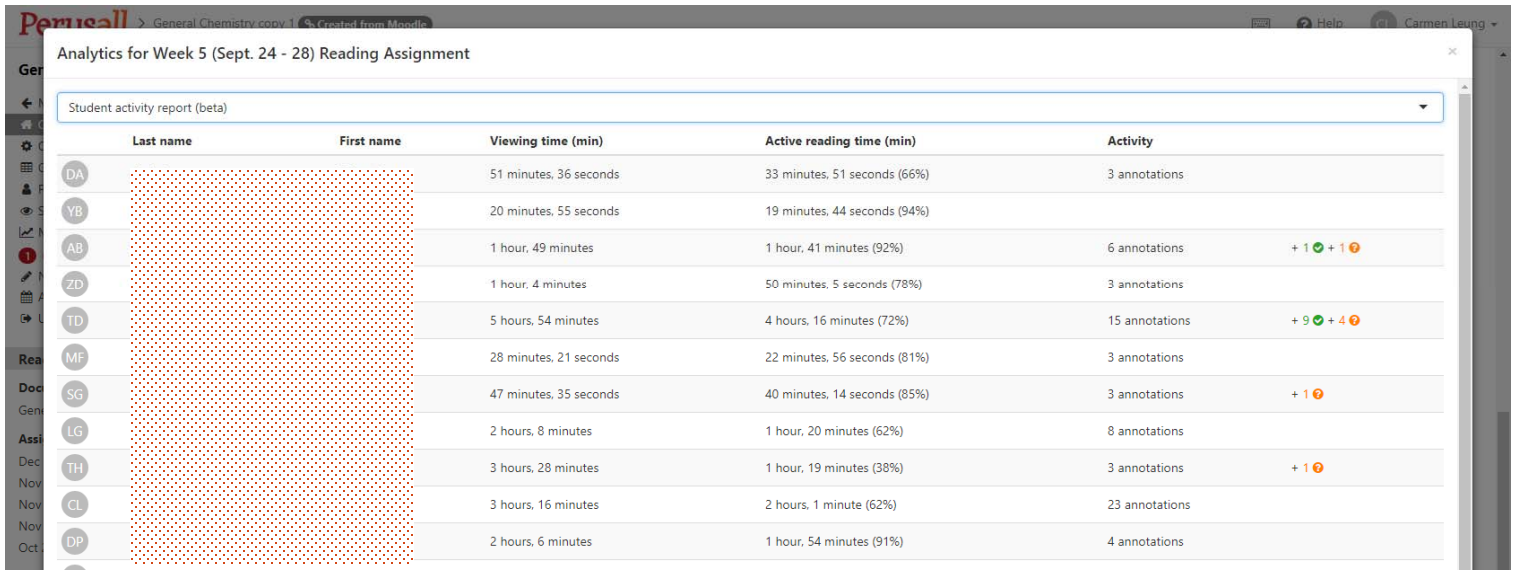


- Annotation submission time heat map

ANALYTICS

- Page view report

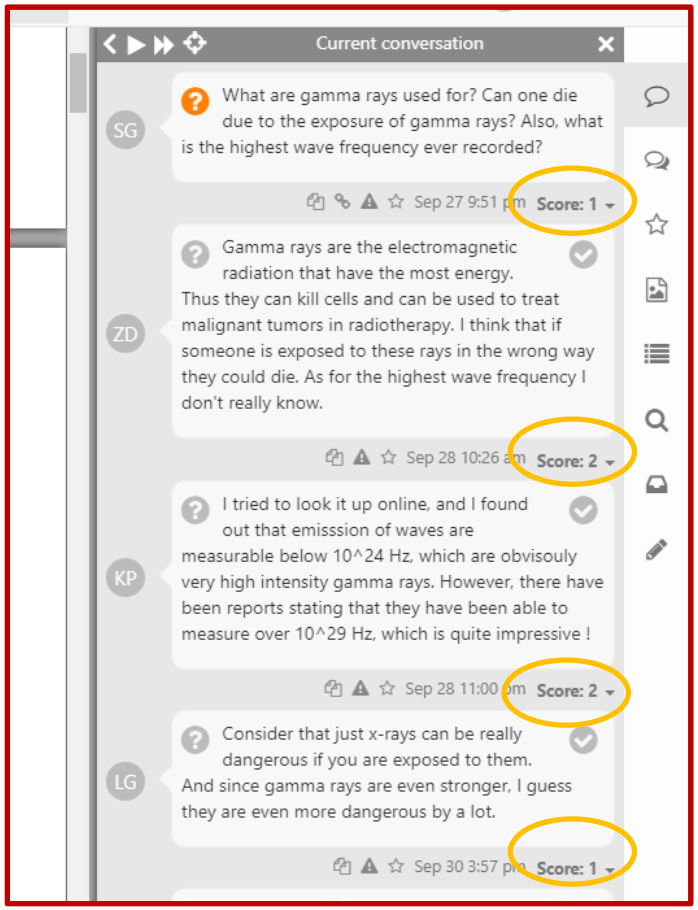




- Student activity report

HOW ARE STUDENTS ENGAGED?

- Students can get responses to questions outside of class from peers and instructors.
- Annotations are scored, and resulting reading assignments are given an overall grade.
- Grading is based on effort and engagement, rather than learning outcomes.
- Instructors are recommended to make Perusall grades count towards their final course mark.



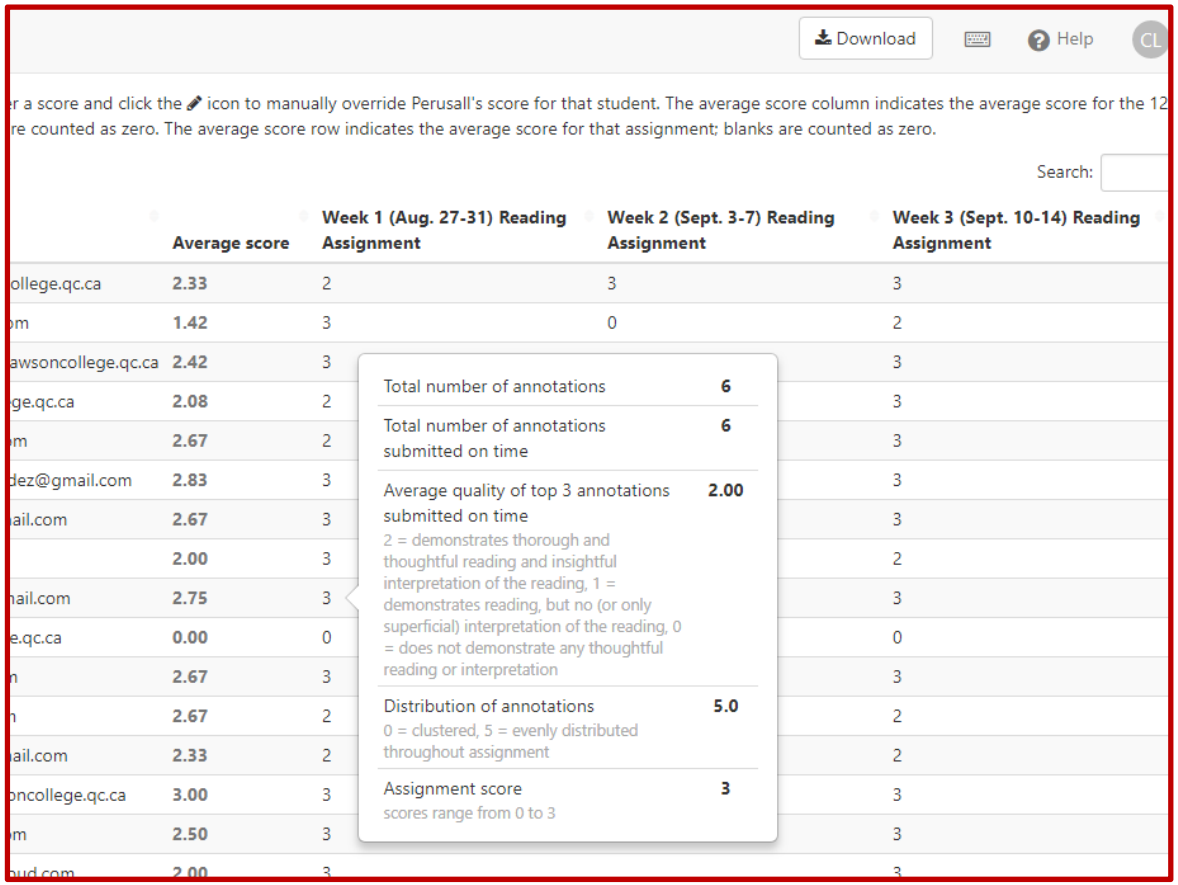
HOW ARE STUDENTS ENGAGED?

- Annotations are evaluated based on:
  - Quality – Scores are either 0, 1 or 2 (2 showing thorough and thoughtful reading AND insightful interpretation of the reading).
  - Quantity – Instructor sets minimum number of annotations, Perusall computes overall grade based on highest-quality annotations.
  - Timeliness – Is assignment completed by deadline?
  - Distribution – Are annotations made throughout the document?
- Common question by students, 'What if I don't have any questions or comments to make?'
  - Elaborate on a specific topic, connect to personal experience or perspective, extension to another topic or perspective, paraphrase part of the text

Document on 'Annotating in Perusall'
Document on 'Examples of Annotations and Scores'

HOW ARE STUDENTS ENGAGED?

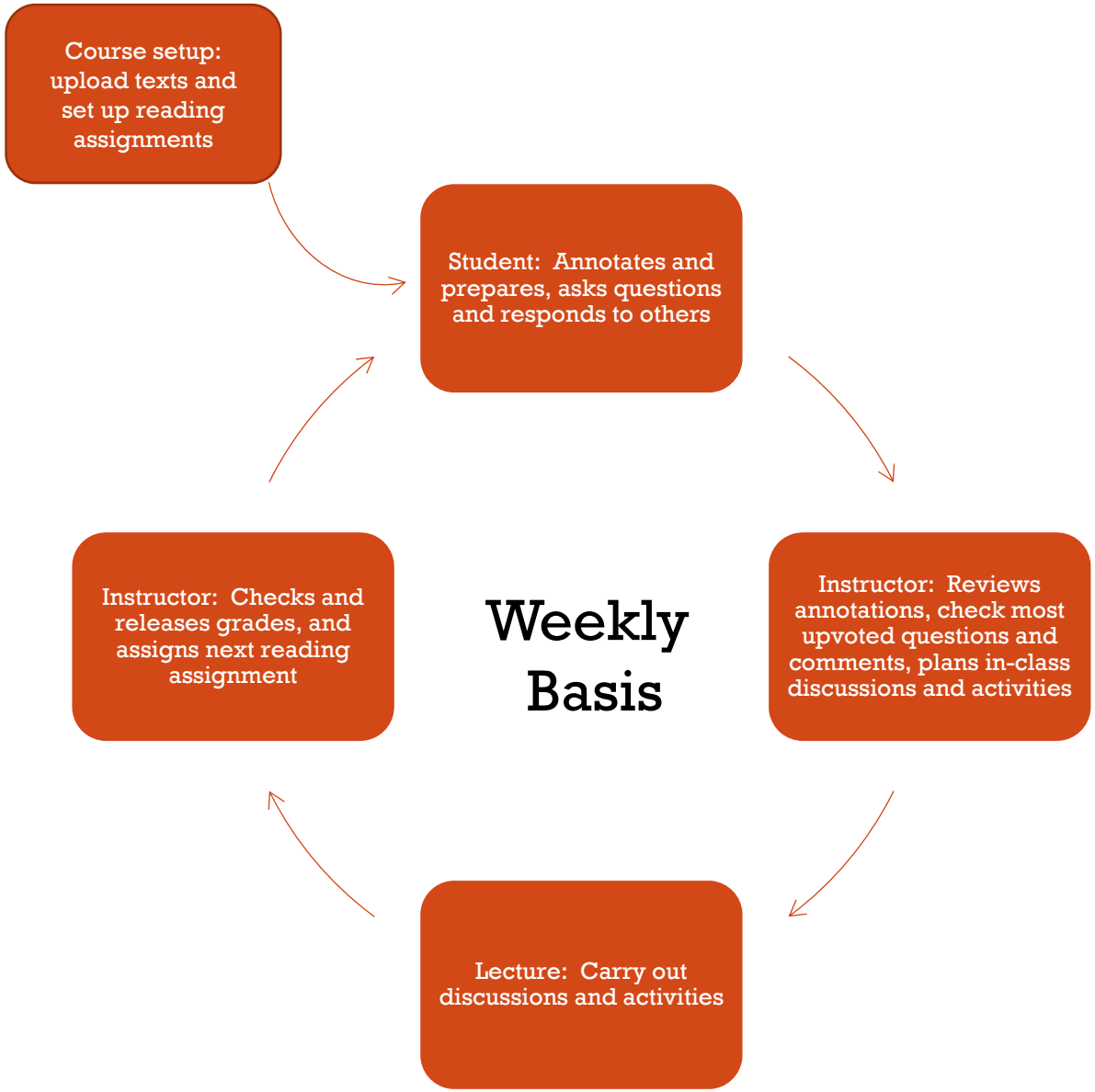
- Overall grade for each reading assignment is out of 3
  - 3 = exceptional (rarely given)
  - 2 = meets expectations
  - 1 = needs improvement
  - 0 = insufficient



- Personal recommendations
  - Do not make the first reading assignment count

  Or
  - Drop the lowest assignment grade at the end of the course

COURSE SETUP



CONCLUSION

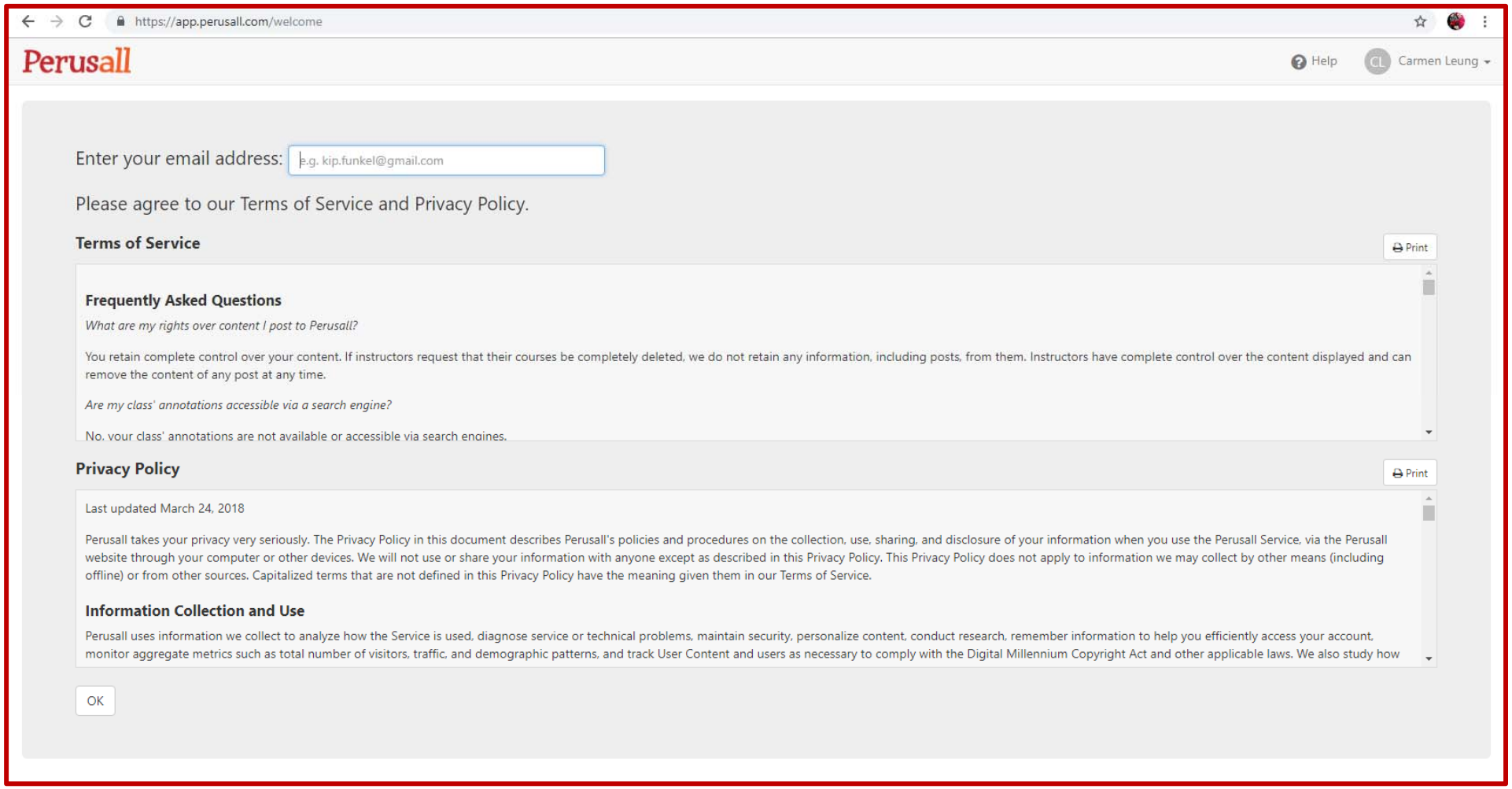
- Students are engaged with content outside of class and are better prepared for class
- Assignment grades are based on effort and engagement in the annotations
  - Perusall rewards desirable behaviour.
- Social features to promote collective experience
  - Class is sectioned into groups of 20
  - 'Upvote' questions and comments
  - Email notifications when a peer has responded to a comment or question student made
  - Avatars to see who is doing the reading assignment at the same time
- Allows for flipped classroom approach
  - Confusion reports are based on just-in-time teaching philosophy
- Students perform better on in-class exams (Miller et al., 2018)

MORE INFORMATION

- Supporting document: https://www.rug.nl/e-learning/innovation-projects/perusall-active-learning-template.pdf
- Live demo of Perusall: https://app.perusall.com/demo
- Help and Support: https://support.perusall.com/help
  - Getting started for instructors

  https://support.perusall.com/help/getting-started-instructors
  - Getting started for students

  https://support.perusall.com/help/getting-started-students
- Documents to share with students:
  - Annotating in Perusall
    https://drive.google.com/file/d/0B65NaC15zIBqMnNmN0gyczA1TUk/view
  - Examples of annotations and scores
    https://drive.google.com/file/d/0B65NaC15zIBqV3lqWTVacFB6YUU/view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Enter your email address:
e.g. kip.funkel@gmail.com
Please agree to our Terms of Service and Privacy Policy.
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Frequently Asked Questions
What are my rights over content I post to Perusall?
You retain complete control over your content. If instructors request that their courses be completely deleted, we do not retain any information, including posts, from them. Instructors have complete control over the content displayed and can remove the content of any post at any time.
Are my class' annotations accessible via a search engine?
No, your class' annotations are not available or accessible via search engines.
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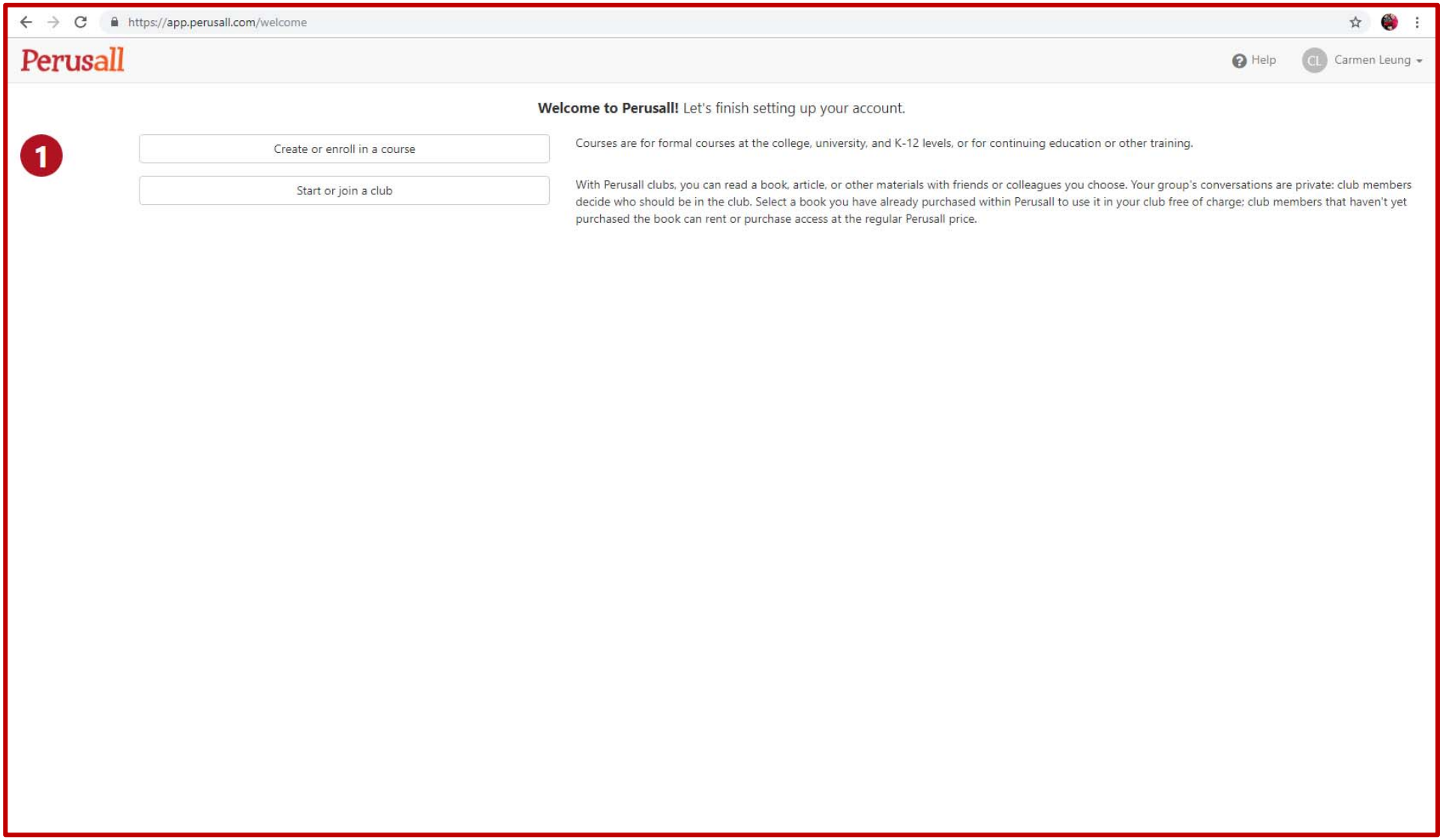
Perusall takes your privacy very seriously. The Privacy Policy in this document describes Perusall's policies and procedures on the collection, use, sharing, and disclosure of your information when you use the Perusall Service, via the Perusall website through your computer or other devices. We will not use or share your information with anyone except as described in this Privacy Policy. This Privacy Policy does not apply to information we may collect by other means (including offline) or from other sources. Capitalized terms that are not defined in this Privacy Policy have the meaning given them in our Terms of Service.
Information Collection and Use
Perusall uses information we collect to analyze how the Service is used, diagnose service or technical problems, maintain security, personalize content, conduct research, remember information to help you efficiently access your account, monitor aggregate metrics such as total number of visitors, traffic, and demographic patterns, and track User Content and users as necessary to comply with the Digital Millennium Copyright Act and other applicable laws. We also study how
OK


https://app.perusall.com/welcome
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Help
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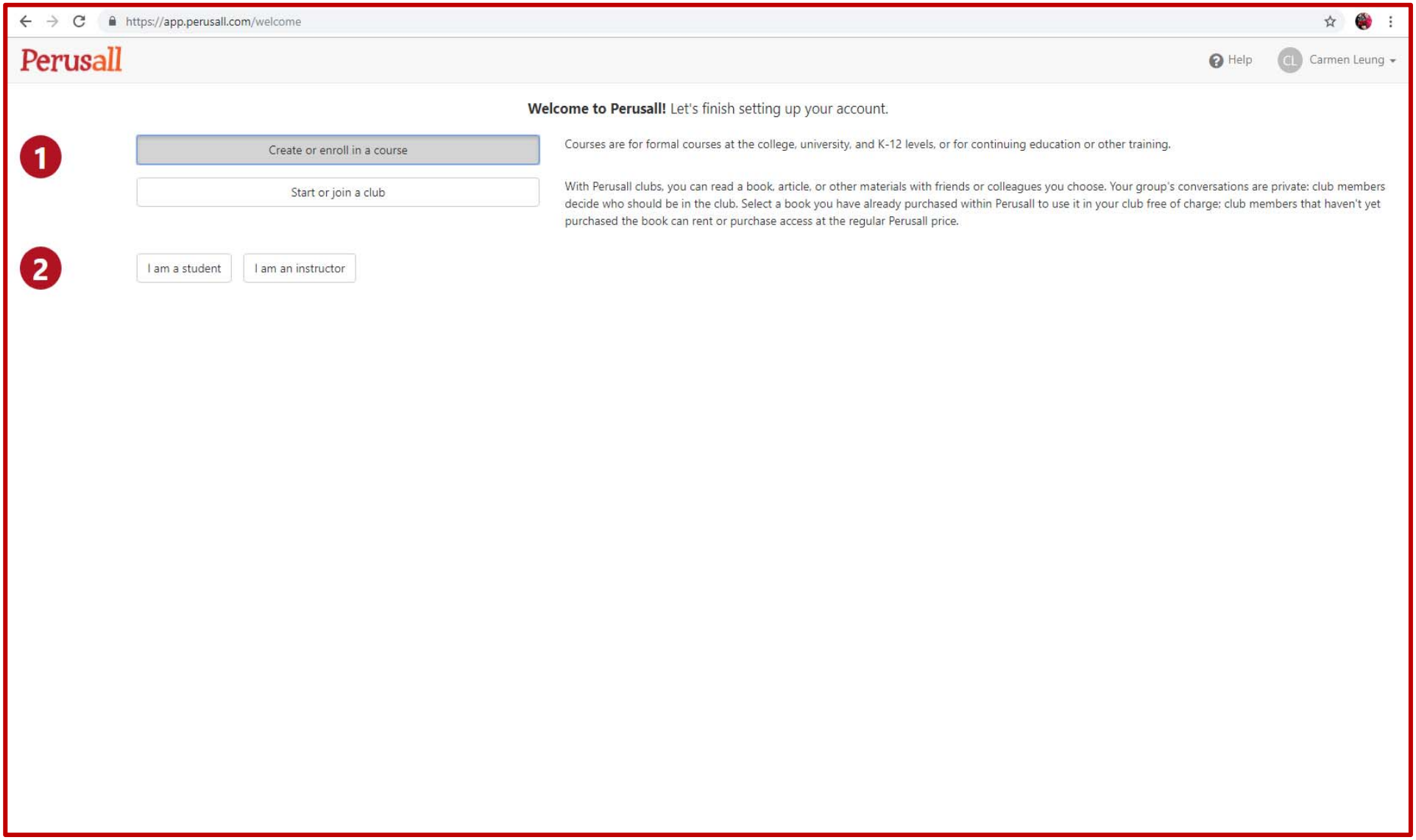
Welcome to Perusall! Let's finish setting up your account.
1
Create or enroll in a course
Courses are for formal courses at the college, university, and K-12 levels, or for continuing education or other training.
Start or join a club
With Perusall clubs, you can read a book, article, or other materials with friends or colleagues you choose. Your group's conversations are private: club members decide who should be in the club. Select a book you have already purchased within Perusall to use it in your club free of charge; club members that haven't yet purchased the book can rent or purchase access at the regular Perusall price.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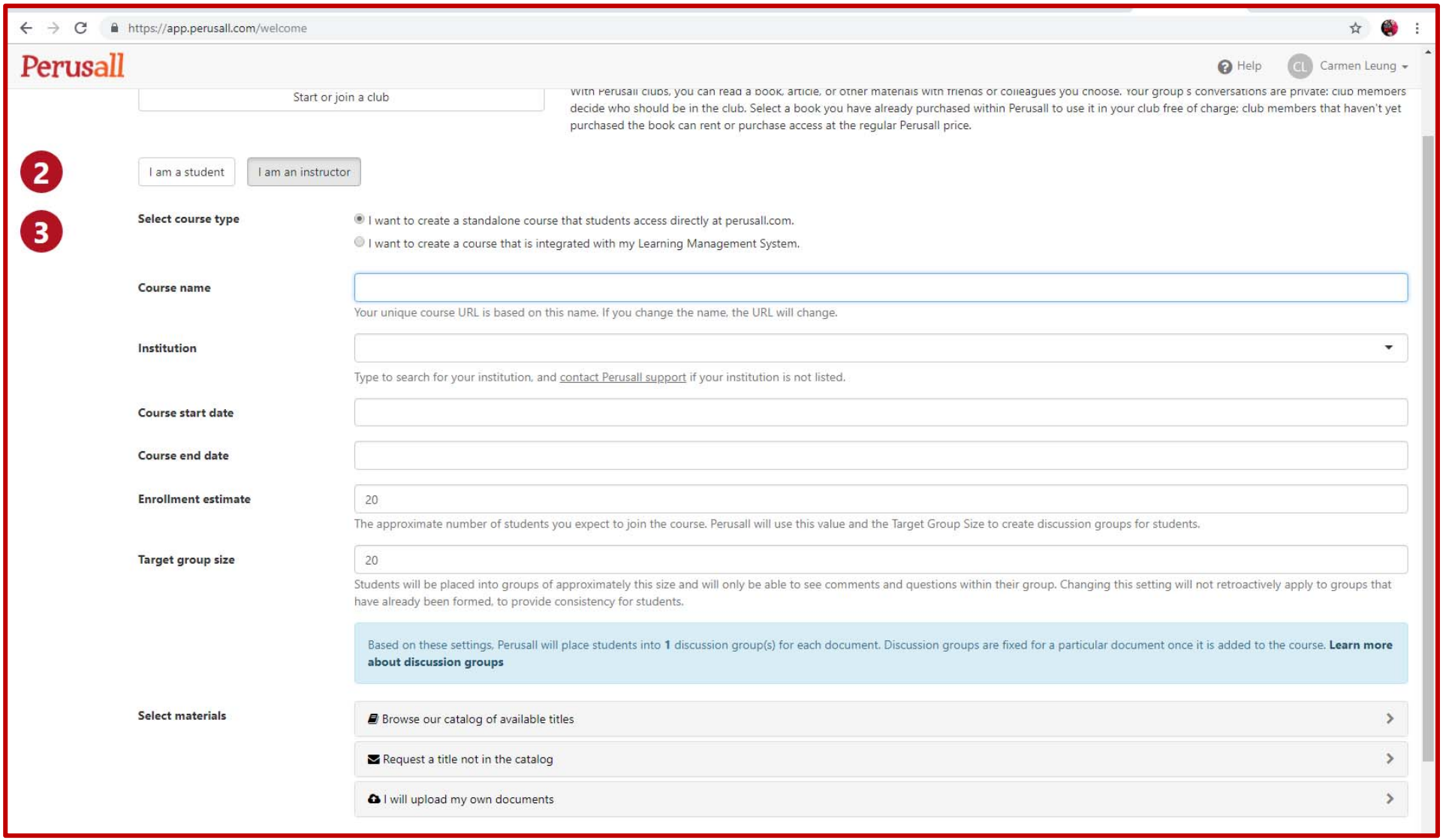
2
I am a student
I am an instructor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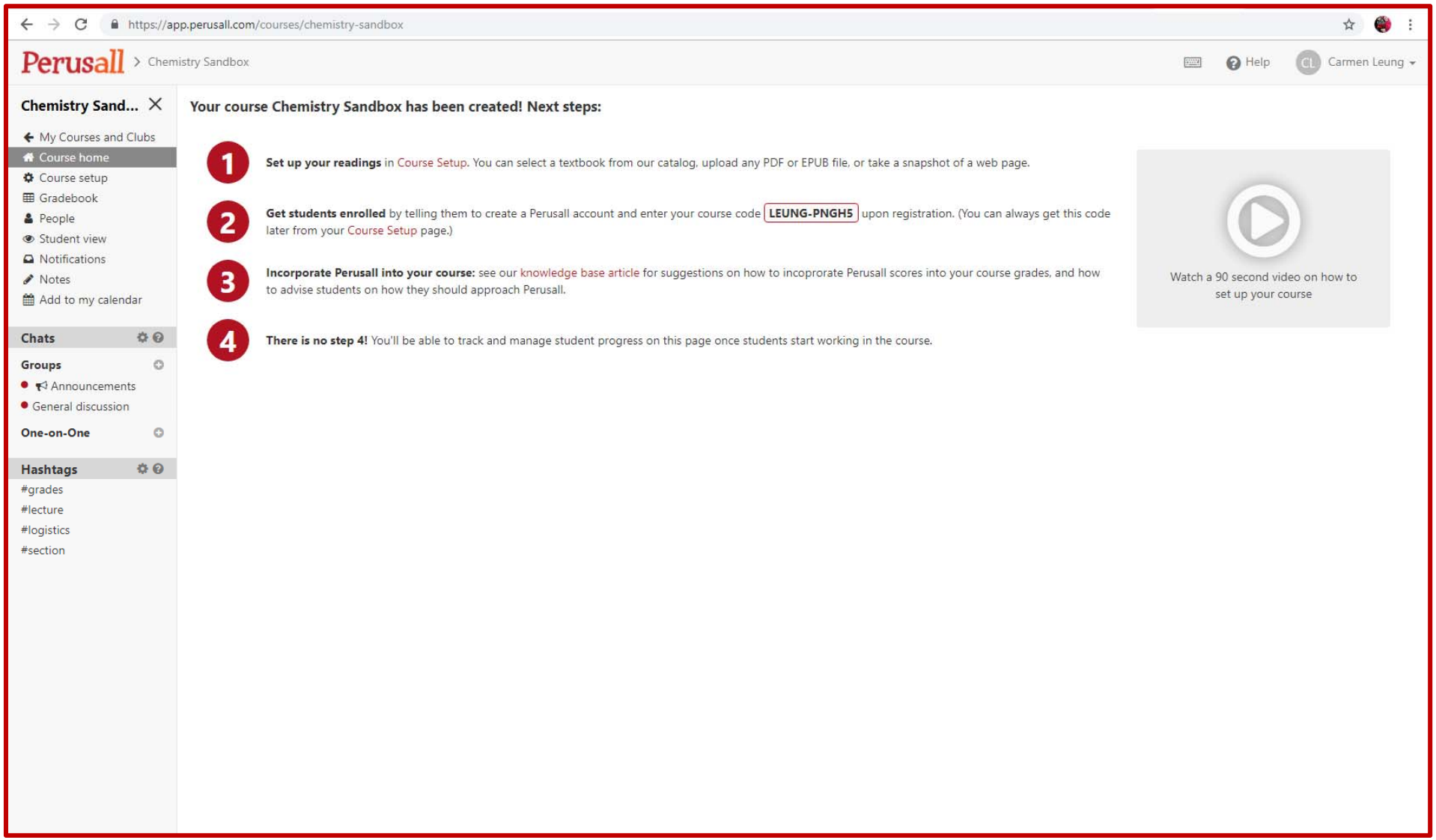
2
I am a student
I am an instructor
3
Select course type
I want to create a standalone course that students access directly at perusall.com.
I want to create a course that is integrated with my Learning Management System.
Course name
Your unique course URL is based on this name. If you change the name, the URL will change.
Institution
Type to search for your institution, and contact Perusall support if your institution is not listed.
Course start date
Course end date
Enrollment estimate
20
The approximate number of students you expect to join the course. Perusall will use this value and the Target Group Size to create discussion groups for students.
Target group size
20
Students will be placed into groups of approximately this size and will only be able to see comments and questions within their group. Changing this setting will not retroactively apply to groups that have already been formed, to provide consistency for students.
Based on these settings, Perusall will place students into 1 discussion group(s) for each document. Discussion groups are fixed for a particular document once it is added to the course. Learn more about discussion groups
Select materials
Browse our catalog of available titles
Request a title not in the catalog
I will upload my own documents


https://app.perusall.com/courses/chemistry-sandbox
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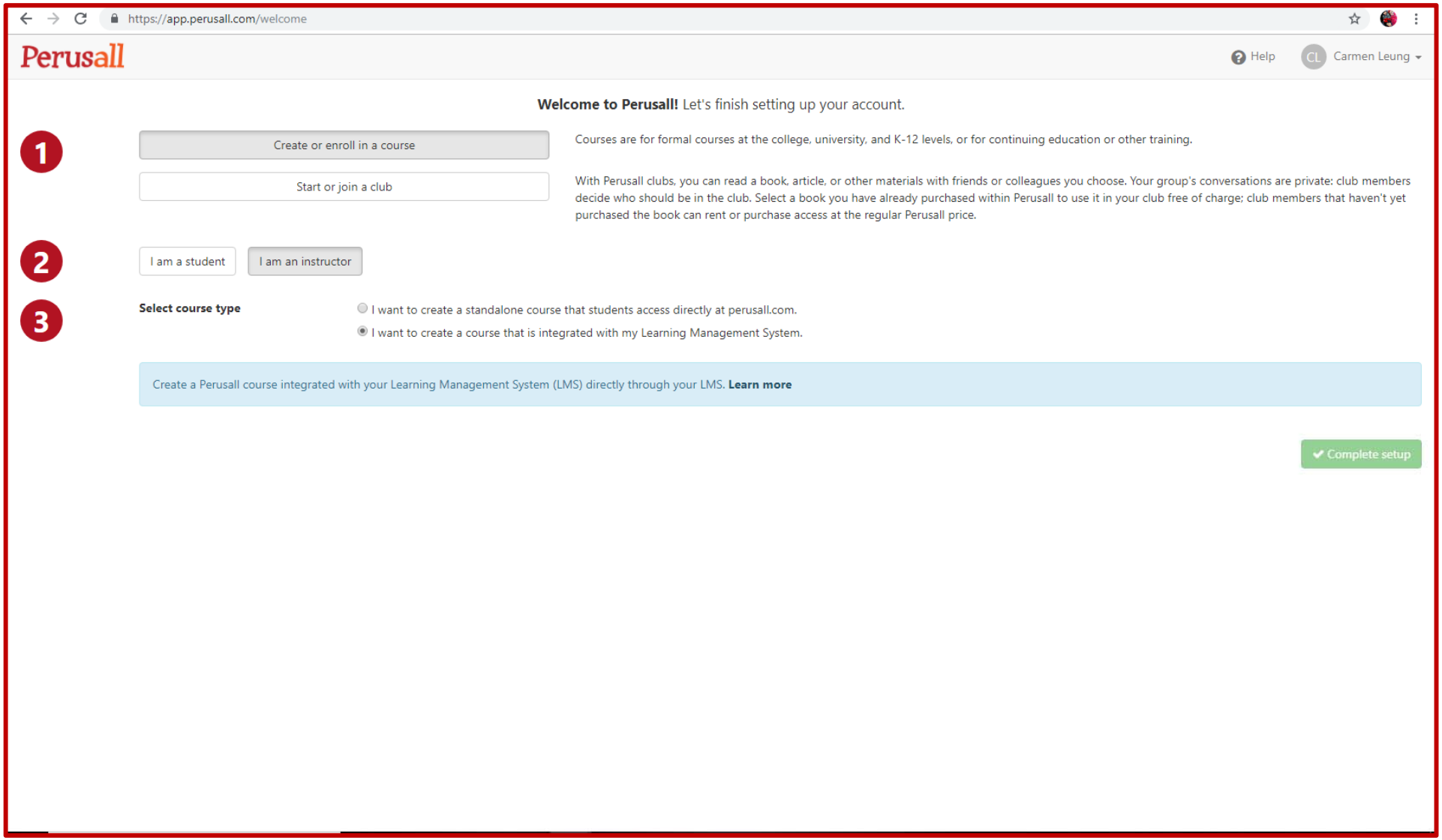
My Courses and Clubs
Course home
Course setup
Gradebook
People
Student view
Notifications
Notes
Add to my calendar
Chats
Groups
Announcements
General discussion
One-on-One
Hashtags
#grades
#lecture
#logistics
#section
Your course Chemistry Sandbox has been created! Next steps:
1
Set up your readings in Course Setup. You can select a textbook from our catalog, upload any PDF or EPUB file, or take a snapshot of a web page.
2
Get students enrolled by telling them to create a Perusall account and enter your course code LEUNG-PNGH5 upon registration. (You can always get this code later from your Course Setup page.)
3
Incorporate Perusall into your course: see our knowledge base article for suggestions on how to incoprorate Perusall scores into your course grades, and how to advise students on how they should approach Perusall.
4
There is no step 4! You'll be able to track and manage student progress on this page once students start working in the course.
Watch a 90 second video on how to set up your course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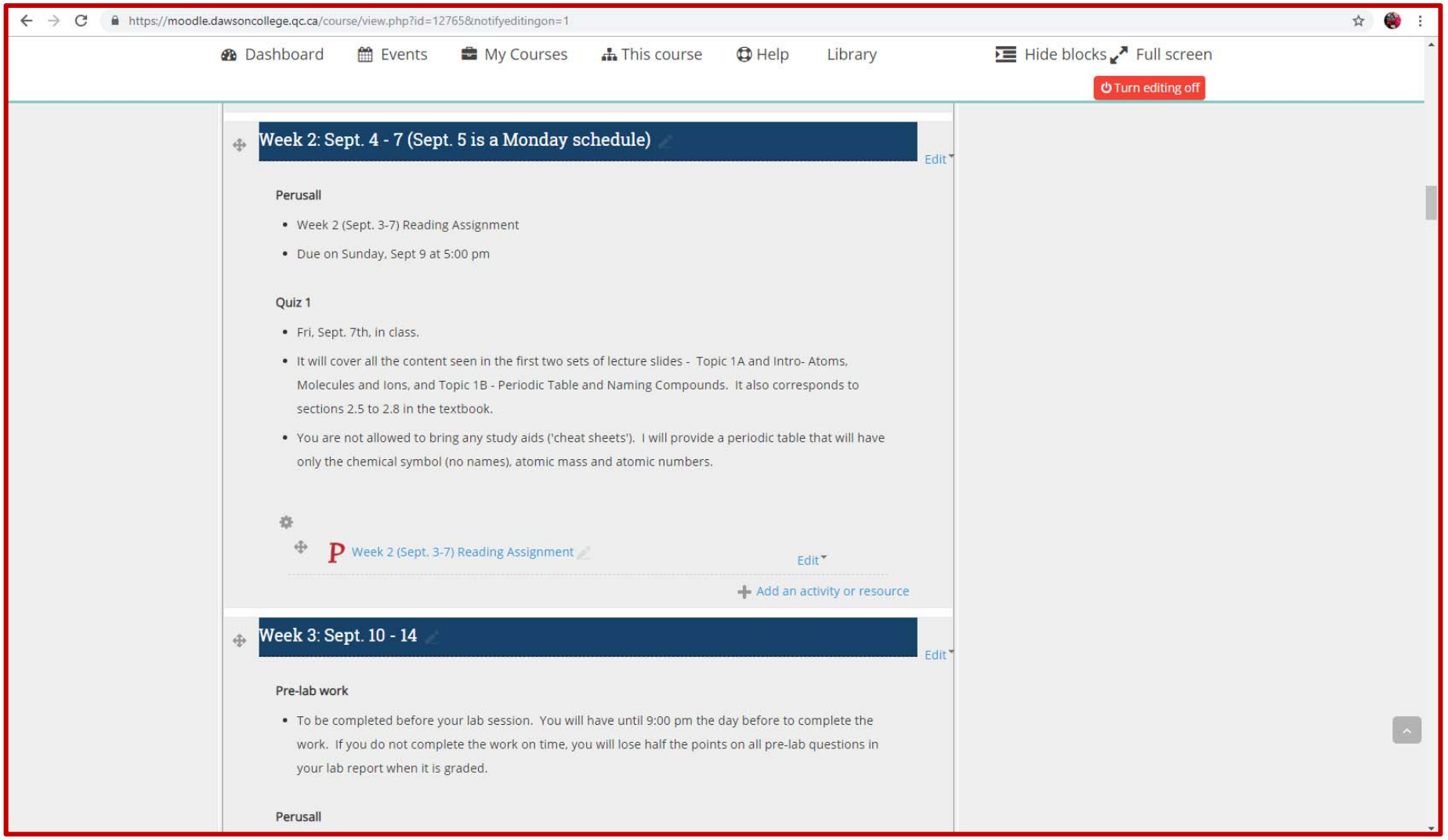
I am a student
I am an instructor
3
Select course type
I want to create a standalone course that students access directly at perusall.com.
I want to create a course that is integrated with my Learning Management System.
Create a Perusall course integrated with your Learning Management System (LMS) directly through your LMS. Learn more
Complete setup


https://moodle.dawsoncollege.qc.ca/course/view.php?id=12765&notifyeditingon=1
Dashboard
Events
My Courses
This course
Help
Library
Hide blocks
Full screen
Turn editing off
Week 2: Sept. 4 - 7 (Sept. 5 is a Monday schedule)
Edit
Perusall
Week 2 (Sept. 3-7) Reading Assignment
Due on Sunday, Sept 9 at 5:00 pm
Quiz 1
Fri, Sept. 7th, in class.
It will cover all the content seen in the first two sets of lecture slides - Topic 1A and Intro- Atoms, Molecules and Ions, and Topic 1B - Periodic Table and Naming Compounds. It also corresponds to sections 2.5 to 2.8 in the textbook.
You are not allowed to bring any study aids ('cheat sheets'). I will provide a periodic table that will have only the chemical symbol (no names), atomic mass and atomic numbers.
Week 2 (Sept. 3-7) Reading Assignment
Edit
Add an activity or resource
Week 3: Sept. 10 - 14
Edit
Pre-lab work
To be completed before your lab session. You will have until 9:00 pm the day before to complete the work. If you do not complete the work on time, you will lose half the points on all pre-lab questions in your lab report when it is graded.
Perusall

https://app.perusall.com/courses/general-chemistry-copy-1/general-chemistry-nya-by-yann-brouillette-revised05-f2016?assignmentId=PdvRnTLn44oMsFAvd&part=1

Perusall > General Chemistry copy 1 > General Chemistry NYA by Yann Brouillette Revised05 F2016 | All comments | Page 61 | Help | Carmen Leung

General Che...

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#antibonding
#bonding
#ce0000

This assignment has 2 parts. Scroll to the bottom to continue to the next part.

Current conversation

Click a highlight to view the discussion here, or create a highlight to start a conversation.

3.11 The Concept of Limiting Reagent

When a chemical reaction occurs, the reagents involved are not always in the perfect proportion so that they will all be consumed.

Balanced reaction: $O_2 + 2\,H_2 \rightarrow 2\,H_2O$
Proportions used "in a lab": 32 g 10 g ?
So what quantity (in g) is produced?

Beginning		End
O—O	H—H	H—O—H
	H—H	H—O—H
	H—H	H—H
	H—H	H—H
	H—H	H—H

O_2 is limiting the reaction. Two moles of H_2O will be produced, so 36 g.

The reactant (also called reagent) that runs out first, and thus limits the amounts of products that can form, is called the limiting reactant (limiting reagent). In other words, the limiting reagent is the chemical that determines how far the reaction will go before the chemical in question gets "used up", causing the reaction to stop. The chemical of which there are fewer moles than the proportion requires is the limiting reagent. The other reagents are considered to be in surplus, and therefore are called excess reagents.

To determine how much product can be formed from a given mixture of reactants, we have to look at the reactant that is limiting.

Example 1 :

If 20.0 g of Fe_2O_3 are reacted with 8.00 g Al(s) in the thermite reaction, Which reactant is limiting?.

$$Fe_2O_3(s) + 2Al(s) \rightarrow 2Fe(l) + Al_2O_3(s)$$

Solution:

First, determine how many moles of Fe(l) can be produced from either reactant.

Moles produced of Fe from reactant Fe_2O_3

$$mol\,Fe_2O_3 = grams\,Fe_2O_3$$