



Sec. 5 Chemistry

Teacher: Mr. Cloutier

cloutiera@loyola.ca

Materials needed for all classes

- Chromebook with earphones or headphones
- Textbook
- Loose leaf in a medium-size binder or spiral notebook
- Non-programmable calculator
- Lab coat and safety glasses (for experiments only; available at Loyola store)

Evaluations

Students will be evaluated in the following ways:

- Quizzes (every 2-3 classes) and Unit Reviews (before tests)
- Unit tests
- Lab reports and activities (Lab exam in May)
- Exams (in December and June, worth 30% of each term)

Competencies

Competency	Wording in report card	Relative value
1- Lab work	Practical	40%
2- Written work	Theory	60%

Terms and report cards

Term	End of term	Relative value
1	January 10	40%
2	June 13	60%

Mark Breakdown for each term

	Term 1	Term 2
Quizzes and Unit Reviews	10	10
Unit Tests	30	30
Exam	30	30
Lab reports, lab exams	30	30

Course Content

TERM 1

Unit 1 – Sec. 4 Review, Stoichiometry
Unit 2 – Excess and Limiting Reactants
Unit 3 – Nomenclature

TERM 2

Unit 4 – Gases
Unit 5 – Thermochemistry
Unit 6 – Reaction Rates
Unit 7 – Chemical Equilibrium and LeChatelier's Principle

TERM 3

Unit 8 – Solubility and K_{sp}
Unit 9 – Acids and Bases, pH

Honours

Students in Honours Chemistry will be required to study additional, enrichment topics that will be evaluated on Honours Class tests. Successful completion of this work will be a requirement to receive a 'letter of attestation' from the Vice Principal of Senior Academics for CEGEP applications.

Important note on how the course will be conducted

In order to maximize your learning, you will be allowed to progress through the material at your own pace, within certain parameters (labs and unit tests) and within a “buddy group”.

Online tutorials, worksheets with answers and other resources are provided to you through the Moodle course site.

Since most of the content is delivered through video tutorials, it is important to take quality notes. While video is a great medium through which we can learn content, its transient nature makes it difficult to “review” once the video is finished. Quality notes are therefore imperative. An example will be given at the start of the year. For each unit, a calendar with all the important dates (labs, tests and exams) will also be provided in order for you to plan your work and know when you are expected to have accomplished certain tasks.

To make sure that you have a successful school year, it is imperative that you take your responsibilities very seriously and carry them to the best of your abilities every day. It is also essential that you stay on schedule.

In the classroom, my role will consist in monitoring your progress, assisting you with your work, and, at times, teaching a certain topic when there is a need.

Furthermore, feedback regarding how the course is conducted will be welcomed.

Rules and expectations

Our classroom must be a pleasant, constructive learning environment. As such, your behaviour is expected to allow you and your classmates to maximize your learning (of Chemistry!) during class time.

It is expected that you will do homework after each lesson, in order to complete your work properly and ensure that you have mastered the subject.

Respect

- - for your fellow students
- - for your teacher and other adults
- - for the classroom material
- - for yourself

Have your materials in class. Be ready when the bell rings. 60-minute effort. Chromebook: for class-related use only. Develop and maintain good work habits.

A note on listening to music while you work.

Check your Loyola email twice a day (at least!) – before your first class and at the beginning of lunch. Not knowing is not a valid excuse.

If you miss a lab, please contact Mr. Dagher (daghere@loyola.ca) in order to schedule a make-up time.

EXTRA HELP

Extra help is offered upon request. The way the class is conducted, you should have ample opportunity to get personal, quality help during class time. Class time can be used for 1-on-1 or small-group interactions with the teacher – take advantage!