



### Chemistry 30 – Fall 2013

Teacher: Ms Toews ("Taves")  
Teacher: Ms Mahal  
Textbook: Nelson Chemistry  
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D2L link: <https://d2l.cbe.ab.ca>

### BOWNESS HIGH SCHOOL

4627-77 St.N.W., Calgary, AB T3B 2N6 t | 403-286-5092 f | 403-777-7259 | [www.cbe.ab.ca/b847](http://www.cbe.ab.ca/b847)

Chemistry 30 is a 5 credit, academic diploma examination high school course. **A minimum mark of 65% in Chemistry 20 is recommended for entry and success in Chemistry 30.**

The themes of change, energy, and systems are central to Chemistry 30. Equilibrium and matter are also addressed. The components of a system, which may be a collection of substances or processes, influence each other by the transfer of energy and matter. Changes to one part of a system result in changes to other parts of the system.

#### **Units of Study**

##### **1. Chemical Changes of Organic Compounds**

- Chapter 9 & 10

##### **2. Thermochemical Changes (Energetics)**

- Chapter 11 & 12  
test)

##### **3. Electrochemical Changes (Redox)**

- Chapter 13
- Chapter 14

##### **4. Chemical Equilibrium (Acid & Base Equilibrium)**

- Chapter 15 & 16

#### **Test Date**

Sept 26

October 15 (Chpt 11 Test)  
October 24 (Chpt 12

November 12  
December 2

December 19

#### **Evaluation:**

Course Work: 10% Quizzes  
10% Labs  
10% Assignments and homework  
20% Unit Tests

Final Grade: 50% Course work  
50% **Diploma Exam (January 28, 2014)**

#### **Expectations:**

1. Homework: Homework is assigned regularly and is often checked (unannounced) for credit. It is **posted on D2L every day** therefore, even if a student is absent, it is expected that all homework is completed on time. **No late homework assignments are checked.**

2. Absence from scheduled exams must be excused before or on the day of the exam. A parent or guardian must indicate before the exam by note or phone (403-286-5092 ext 3055) that the student is absent due to a legitimate excuse (ie. medical or emergency).

3. Exams missed due to an excused absence may be written upon immediate return to school.

4. Failure to follow the above absence procedure for scheduled exams or failure to arrange with the teacher a date in which to write a make-up exam will result in a recorded grade of zero.

5. The teacher will decide if quizzes missed due to an excused absence will need to be written.

It is your responsibility to ask when you return to class. Assignments are due the day you



return from an excused absence. If you miss a lab, pick up the information and complete the write up.

6. Late work is only accepted if due to an excused absence and only if it has not been marked and returned to other students.

7. Quiz: quizzes will always be announced ahead of time and start at the beginning of class. Students late to class will not be permitted to write a quiz and will result in a grade of zero.

8. Absence: All absences should be phoned in by a parent or guardian. Unexcused absences will result in a mark of zero for assignments or exams missed that day. If an absence is excused, students may hand in assignments or labs the day that they return to class. At the teacher's discretion, homework may be excused.

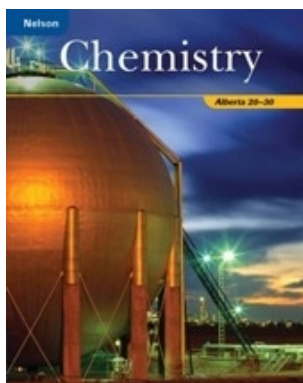
9. Cell phones are not permitted to be used during class time.

10. Students are required to wear safety goggles during each lab. These may be purchased at the school for \$5.00.



11. Lab activities require proper behaviour and adherence to the rules of the lab. All students are expected to familiarize themselves with the rules and have a clear understanding of both WHMIS and MSDS. If rules are not followed, students will be warned once. On a second warning, the student will be asked to leave the lab and will receive a grade of zero.

12. In working with Ms. Mahal, there will be the integration of career exploration within Chemistry. Students will be expected to participate in these short activities including online blogs and worksheets as they explore possible career options.



### **Textbook:**

**Nelson Chemistry.** Take care of your textbook. If it is damaged or lost you will be billed up to the replacement cost. The textbook publisher provides a website that includes pre-quizzes, virtual labs and animations: <http://www.nelson.com/ABchem20-30/> (username: nelsonchem\_student; password: nelsonchem\_onlinelearning)

### **School Academic Honesty Policy**

Work counted toward a student's grade must be a product of that person's own effort. Where it is appropriate to use the work of others, sources must be properly acknowledged. Students using others work without acknowledging / correctly referencing the work may be withdrawn from course / suspended from school. Programmable calculators must have memory cleared.

### **Science Book Award:**

Each semester one student from each Science class receives recognition for making a strong effort in class. An awards evening is held in June to present the award.



### **Resources:**

- Key Book: provides many Diploma exam questions and solutions. Key Book orders may be taken early in class or they are available at large bookstores.
- Alberta Education:
  - Diploma Exam Archives and Exemplars (Chem 30 and other Diploma Courses): <http://education.alberta.ca/admin/testing/diplomaexams/exambulletins.aspx>
  - Sample test banks: <https://questaplus.alberta.ca/> Link to Practice Tests or <http://alberta.exambank.com>, username: bowness password: 2Library