



New West  
Online Learning  
Home of VirtualSchoolBC

Group → 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18  
↓ Period  
1 1 H 2 He  
2 3 Li 4 Be 5 B 6 C 7 N 8 O 9 F 10 Ne  
3 11 Na 12 Mg 13 Al 14 Si 15 P 16 S 17 Cl 18 Ar  
4 19 K 20 Ca 21 Sc 22 Ti 23 V 24 Cr 25 Mn 26 Fe 27 Co 28 Ni 29 Cu 30 Zn 31 Ga 32 Ge 33 As 34 Se 35 Br 36 Kr  
5 37 Rb 38 Sr 39 Y 40 Zr 41 Nb 42 Mo 43 Tc 44 Ru 45 Rh 46 Pd 47 Ag 48 Cd 49 In 50 Sn 51 Sb 52 Te 53 I 54 Xe  
6 55 Cs 56 Ba 57 La 72 Hf 73 Ta 74 W 75 Re 76 Os 77 Ir 78 Pt 79 Au 80 Hg 81 Tl 82 Pb 83 Bi 84 Po 85 At 86 Rn  
7 87 Fr 88 Ra 89 Ac 104 Rf 105 Db 106 Sg 107 Bh 108 Hs 109 Mt 110 Ds 111 Rg 112 Cn 113 Uut 114 Fl 115 Uuq 116 Lv 117 Uus 118 Uuo  
Lanthanides 57 La 58 Ce 59 Pr 60 Nd 61 Pm 62 Sm 63 Eu 64 Gd 65 Tb 66 Dy 67 Ho 68 Er 69 Tm 70 Yb 71 Lu  
Actinides 89 Ac 90 Th 91 Pa 92 U 93 Np 94 Pu 95 Am 96 Cm 97 Bk 98 Cf 99 Es 100 Fm 101 Md 102 No 103 Lr

## Chemistry 11

This is a “toolbox” course introducing students to the language, computational skills and foundational concepts of matter. It is a prerequisite for Chemistry 12. The big ideas in Chemistry 11:

Atoms & molecules are building blocks of matter.

The mole is a quantity used to make atoms and molecules measurable.

Matter & energy are conserved in chemical reactions.

Solubility within a solution is determined by the nature of the solute and the solvent.

Organic chemistry & its applications have significant implications for human health, society and the environment.

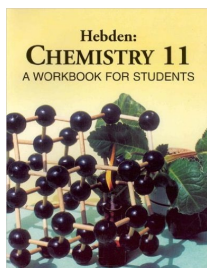
Curriculum details can be found at: <https://curriculum.gov.bc.ca/curriculum/science/11/chemistry>.

### Resources

Lessons and assessments are online and use a combination of text and short videos, interactive animated exercises and links to websites to help you understand the concepts. This means it is essential you have access to reliable high-speed internet.

The only required text is the following workbook, an excellent source of exercises for practice. The workbook pages needed to start are available in the course. From Unit 3 and on, however, you will need your own workbook.

*Chemistry 11: A Workbook For Students* by James A. Hebden.



Adult Students: \$30 through our office (604-517-6191) or purchase direct from Western Campus (<https://www.westerncampus.ca/exclusive-to-wcr/hebden-chemistry/>).

NWSS Students: You will receive instructions for how to sign out a copy when you register. If you want your own copy to write in and keep, you will need to purchase it. See cost and details above.

You will also need a scientific (not graphing) calculator.

Technical help can be found on our website (<https://newwestonlinelearning.ca/resources/>). Your teacher is accessible by email, but it is best to drop in during online Office hours for help. Schedule and access information are on the course Home Page.

### Assessment

Your understanding is assessed through Module Tests (~60%) and assignment/project work (~40%). Along the way, quizzes provide a way to check your understanding and get feedback and help from your instructor. All assessments are completed from home, but be aware that you might be required to come to our supervised location to write a test. Ministry assessment and reporting information can be found at: <https://curriculum.gov.bc.ca/classroom-assessment>.

### To Begin

Registration instructions are on our website. Once you have received your login information from our office, follow the instructions on the Home Page of the course.

**Important:** Students are expected to complete the first unit within 2 weeks of enrolling, to log in and make progress each week, and to finish their online course within a 4–5-month period of time. Please check in with your teacher if you find yourself needing additional time.