



CHEMISTRY GRADE 11 AND 12  
Learning Resources

A Reference for Selecting Learning  
Resources

Manitoba Education and Training Cataloguing in Publication Data

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School Programs Division  
Winnipeg, Manitoba, Canada

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Any websites referenced in this document are subject to change without notice. Educators are advised to preview and evaluate websites and online resources before recommending them for student use.

This resource is available on the Manitoba Education and Training  
[www.edu.gov.mb.ca/k12/learnres/shortlists.html](http://www.edu.gov.mb.ca/k12/learnres/shortlists.html)

## **A C K N O W L E D G E M E N T S**

Manitoba Education and Training acknowledges the individuals involved in the review and selection of learning resources to support provincial curriculum implementation. Appreciation is also extended to school divisions within Manitoba that support teachers' participation in the review. Finally, publishers, producers, and distributors are thanked for their submission of learning resources for consideration.

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## INTRODUCTION

## REFERENCE FOR SELECTING LEARNING RESOURCES

*CHEMISTRY GRADES 11-12* is a reference tool provided by Manitoba Education and Training to help educators select student and teacher learning resources to support the curriculum. Learning resources may be purchased through the Manitoba Learning Centre (LRC) (formerly known as the Manitoba Text Book Bureau (MTBB)).

## LEARNING RESOURCES REVIEWS

Publishers submit resources for review in response to the department's request for new learning resources to support provincial curricula. Teachers, nominated by superintendents of school divisions, are selected as teacher-evaluators. Using a collaborative review process, the teacher-evaluators examine the materials according to the resource-selection criteria to make recommendations regarding the suitability of the resources for Manitoba students and teachers.

## RESOURCE SELECTION CRITERIA

Learning resources are selected based on their fidelity with the rationale, philosophy, processes, and learning expectations identified in each curriculum. Four evaluation criteria are used in selecting learning resources:

- **Curriculum Fit/Content/Philosophy:** the degree to which the content and processes of the resource align with the curriculum, thus providing support for curriculum implementation.
- **Instructional Design:** the degree to which the resource provides for multiple approaches to learning, has a wide range of use, is current, and reflects current pedagogical theory and practice.
- **Social Considerations:** the degree to which the resource is free of bias and stereotyping. The resource is examined for Canadian content, the use of culturally diverse examples, and accurate portrayal of First Nations, Inuit, and Métis peoples. Cautionary notes are added to alert teachers to potentially sensitive curriculum-fit issues or potential community concerns related to the resource.
- **Technical Design:** the degree to which the resource is visually appealing and has a logical and consistent form.

When selecting learning and teaching resources, teachers should consider how the resources meet the learning requirements of students, the perspectives of the student population, and local decisions related to the delivery of potentially sensitive content.

## TERMS AND DEFINITIONS

The following terms and definitions are used to describe the learning resources:

- **Breadth:** identifies learning resources that address a wide range of student learning expectations for a particular grade.
- **Depth:** identifies learning resources that provide effective learning experiences in greater detail for a narrower grouping of student learning expectations.
- **Breadth and Depth:** identifies comprehensive learning resources that provide both breadth and depth dimensions for an extensive grouping of student learning expectations.
- **Teacher Reference:** identifies resources that assist teachers in implementing the curriculum, including background information for teacher use; may identify teaching suggestions and learning activities.
- **Teacher Guide:** identifies a separate guide for teachers or a teacher's edition of a **Student Text**.

## PURCHASE OF LEARNING RESOURCES

The learning resources described in the bibliography are available for purchase through the Manitoba Learning Resources Centre (LRC) (formerly known as the Manitoba Text Book Bureau). For information or assistance regarding the purchase of learning resources, contact:

### **The Manitoba Learning Resource Centre (LRC)**

Toll free: 866-771-6822

Telephone: 204-483-5040

Fax: 204-483-5041

Email: [mtbb@gov.mb.ca](mailto:mtbb@gov.mb.ca)

Online catalogue: <<http://www.mtbb.mb.ca>>



## TITLES & DESCRIPTIONS

## Glencoe Chemistry: Matter and Change (2017 Edition)

**Publisher :** McGraw-Hill Education

### Subject/Grade

	K	1	2	3	4	5	6	7	8	9	10	11	12
Chemistry										✓	✓	✓	

This combined grade single text is best used for student review, test practice, and clarification of concepts taught in class. Good balance between conceptual and problem solving questions. Quality assessment bank. Variety of supplementary resources. Most Manitoba outcomes are supported by the text and support materials.

### Glencoe Chemistry: Matter & Change (Student Book)

<b>Author(s):</b>	Thandi Buthelezi, Laurel Dingrando, Nicholas Hainen, Cheryl Wistrom, Dinah Zike	<b>Audience:</b>	Student
<b>Year:</b>	2017	<b>Suggested Use(s):</b>	Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6
<b>Pagination:</b>	1051 p.		
<b>ISBN:</b>	978-0-07-677460-9		
<b>Format:</b>	Print		
<b>Publisher:</b>	McGraw-Hill Education	<b>Date Recommended:</b>	September 08, 2016

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### Glencoe Chemistry: Matter & Change: Science Notebook (Student Book)

<b>Author(s):</b>	Glencoe/McGraw-Hill	<b>Audience:</b>	Student
<b>Year:</b>	2017	<b>Suggested Use(s):</b>	Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6
<b>Pagination:</b>	354 p.		
<b>ISBN:</b>	978-0-07-896415-2		
<b>Format:</b>	Print		
<b>Publisher:</b>	McGraw-Hill Education	<b>Date Recommended:</b>	September 08, 2016

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### Glencoe Chemistry: Matter & Change: Teacher Annotated Edition: Science Notebook

<b>Author(s):</b>	Glencoe/McGraw-Hill	<b>Audience:</b>	Teacher
<b>Year:</b>	2017	<b>Suggested Use(s):</b>	Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6
<b>Pagination:</b>	354 p.		
<b>ISBN:</b>	978-0-07-896416-9		
<b>Format:</b>	Print		



**Publisher:** McGraw-Hill Education      **Date Recommended:** September 08, 2016

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### Glencoe Chemistry: Matter & Change: Teacher Edition

**Author(s):** Glencoe/McGraw-Hill      **Audience:** Teacher  
**Year:** 2017      **Suggested Use(s):** Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6  
**Pagination:** 1049 p.  
**ISBN:** 978-0-07-677461-6  
**Format:** Print

**Publisher:** McGraw-Hill Education      **Date Recommended:** September 08, 2016

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### *McGraw-Hill Ryerson Chemistry 11*

**Publisher :** McGraw-Hill Ryerson Limited

#### *Subject / Grade*

	K	1	2	3	4	5	6	7	8	9	10	11	12
Chemistry												✓	

This strong Canadian (Ontario) student and teacher resource contains examples of Canadian Research, science, technology, society & environment (STSE) case studies, and practical guides. It has clear and thorough review materials and labs, as well as high quality demonstrations and visuals/graphs . Both texts are needed to cover all of the outcomes in each grade. Very thorough coverage of gases, chemical reactions, organic chemistry, kinetics, equilibrium and acids-bases.

### McGraw-Hill Ryerson Chemistry 11 (Student Text)

**Author(s):** Mustoe, Frank, Clancy, Christina, Doram, Ted, Heimbecker, Brian, Mazza, Michael, McNutly, Paul      **Audience:** Student  
**Suggested Use(s):** Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6  
**Year:** 2011  
**Pagination:** 681 p  
**ISBN:** 978-007091576-6  
**Format:** Print

**Publisher:** McGraw-Hill Ryerson Limited      **Date Recommended:** April 02, 2013

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## McGraw-Hill Ryerson Chemistry 11: Computerized Assessment Bank CD-ROM

**Author(s):** Douglass, Steven, Finkle, Trevor, Stewart, Ken  
**Year:** 2011  
**Pagination:** unpaginated  
**ISBN:** 978-007105108-8  
**Format:** CD-ROM

**Audience:** Teacher  
**Suggested Use(s):** Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6

**Publisher:** McGraw-Hill Ryerson Limited  
**Date Recommended:** April 02, 2013

### Distributor:

### Minimum System Requirements

- 32 MB of available memory (64 recommended)
- Mac OS X 10.4 or later, PowerPC G3 or later
- Windows 2000/XP or Vista
- 800 x 600 resolution display minimum

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## McGraw-Hill Ryerson Chemistry 11: Solutions CD-ROM

**Author(s):** Gaylor, Jim  
**Year:** 2011  
**Pagination:** unpaginated  
**ISBN:** 978-007105107-1  
**Format:** CD-ROM

**Audience:** Teacher  
**Suggested Use(s):** Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6

**Publisher:** McGraw-Hill Ryerson Limited  
**Date Recommended:** April 02, 2013

### Distributor:

### Minimum System Requirements

#### Windows

- 486 or Pentium processor-based PC
- Microsoft Windows 2000, Windows 7, XP, or Vista with 10 MB of RAM (16 MB recommended)
- Adobe Reader 7 or later

#### Macintosh

- Power Macintosh or compatible
- MAC OS 10.4 or better with 4.5 MB of RAM (6.5 MB recommended) and 8 MB of available hard-disk space
- Adobe Reader 7 or later

## McGraw-Hill Ryerson Chemistry 11: Study Guide

<b>Author(s):</b>	Douglass, Steven, Finkle, Trevor, Gibbons, Keith, Searle, Sandy, Stewart, Ken	<b>Audience:</b>	Student
<b>Year:</b>	2011	<b>Suggested Use(s):</b>	Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6
<b>Pagination:</b>	256 p		
<b>ISBN:</b>	978-0-07-105095-1		
<b>Format:</b>	Print		
<b>Publisher:</b>	McGraw-Hill Ryerson Limited	<b>Date Recommended:</b>	April 02, 2013

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## McGraw-Hill Ryerson Chemistry 11: Teacher's Resource (includes CD-ROM)

<b>Author(s):</b>	Douglass, Steven, Finkle, Trevor, Gibbons, Keith, Searle, Sandy, Stewart, Ken	<b>Audience:</b>	Teacher
<b>Year:</b>	2012	<b>Suggested Use(s):</b>	Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6
<b>Pagination:</b>	unp.		
<b>ISBN:</b>	978-0-07-105103-3		
<b>Format:</b>	Print/CD-ROM		
<b>Publisher:</b>	McGraw-Hill Ryerson Limited	<b>Date Recommended:</b>	April 02, 2013

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## McGraw-Hill Ryerson Chemistry 11: Teacher's Resource Trial: Connect School Teacher Access Card (Time Limited Trial Access)

<b>Year:</b>	2011	<b>Audience:</b>	Teacher
<b>Pagination:</b>	unp.	<b>Suggested Use(s):</b>	Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6
<b>Format:</b>	Access code		
<b>Publisher:</b>	McGraw-Hill Ryerson Limited	<b>Date Recommended:</b>	April 02, 2013

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## *McGraw-Hill Ryerson Chemistry 12*

**Publisher :** McGraw-Hill Ryerson Limited

**Subject/Grade**

	K	1	2	3	4	5	6	7	8	9	10	11	12
Chemistry													✓

This strong Canadian (Ontario) student and teacher resource contains examples of Canadian Research, science, technology, society & environment (STSE) case studies, and practical guides. It has clear and thorough review materials and labs, as well as high quality demonstrations and visuals/graphs . Both texts are needed to cover all of the outcomes in each grade. Very thorough coverage of gases, chemical reactions, organic chemistry, kinetics, equilibrium and acids-bases.

### McGraw-Hill Ryerson Chemistry 12 (Student Text)

**Author(s):** Clancy, Christina,  
Farrow, Katy, Finkle,  
Trevor, Francis, Lea,  
Heimbecker, Brian,  
Nixon-Ewing, Barbara,  
Schroder, Mary,  
Thomas, Trish

**Audience:** Student

**Suggested Use(s):** Cluster 0, Topic 1, Topic  
2, Topic 3, Topic 4, Topic  
5, Topic 6

**Year:** 2011

**Pagination:** 813 p

**ISBN:** 978-00106010-3

**Format:** Print

**Publisher:** McGraw-Hill Ryerson  
Limited

**Date Recommended:** April 02, 2013

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### McGraw-Hill Ryerson Chemistry 12: Computerized Assessment Bank CD-ROM

**Author(s):** Houston, Leanne,  
McCormick, Sara,  
Stewart, Ken, Whyte-  
Smith, Athlene

**Audience:** Teacher

**Suggested Use(s):** Cluster 0, Topic 1, Topic  
2, Topic 3, Topic 4, Topic  
5, Topic 6

**Year:** 2012

**Pagination:** unp.

**ISBN:** 978-0-07-106043-1

**Format:** CD-ROM

**Publisher:** McGraw-Hill Ryerson  
Limited

**Date Recommended:** April 02, 2013

#### Minimum System Requirements

- 32 MB of available memory (64 recommended)
- Mac OS X 10.4 or later, PowerPC G3 or later

- Windows 2000, XP, Vista or Windows 7
- 800 x 600 resolution display minimum

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## McGraw-Hill Ryerson Chemistry 12: Solutions CD-ROM

<b>Author(s):</b>	Edwards, Lois, Gaylor, Jim, Navarro, Kathryn, Stewart, Ken, Wisnicki, Greg	<b>Audience:</b>	Teacher
<b>Year:</b>	2012	<b>Suggested Use(s):</b>	Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6
<b>Pagination:</b>	unp.		
<b>ISBN:</b>	978-007106042-4		
<b>Format:</b>	CD-ROM		
<b>Publisher:</b>	McGraw-Hill Ryerson Limited	<b>Date Recommended:</b>	April 02, 2013

### Minimum System Requirements

#### Windows

- 486 Pentium processor-based PC
- Microsoft Windows 2000, Windows 7, XP or Vista with 10 MB of RAM (16 MB recommended)
- Adobe Reader 7 or later

#### Macintosh

- Power Macintosh or compatible
- MAC OS 10.4 or better with 4.5 MB of RAM (6.5 MB recommended and 8 MB of available hard-disk space)
- Adobe Reader 7 or later

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## McGraw-Hill Ryerson Chemistry 12: Study Guide

<b>Author(s):</b>	Houston, Leanne, McCormick, Sara, Stewart, Ken, Whyte- Smith, Athlene	<b>Audience:</b>	Student
<b>Year:</b>	2012	<b>Suggested Use(s):</b>	Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6
<b>Pagination:</b>	266 p		
<b>ISBN:</b>	978-0-07-106044-8		
<b>Format:</b>	Print		
<b>Publisher:</b>	McGraw-Hill Ryerson Limited	<b>Date Recommended:</b>	April 02, 2013

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## McGraw-Hill Ryerson Chemistry 12: Teacher's Resource (Includes CD-ROM)

<b>Author(s):</b>	Farrow, Katy, Finkle, Trevor, Finkle, Trevor, Hopper, Tina	<b>Audience:</b>	Teacher
<b>Year:</b>	2012	<b>Suggested Use(s):</b>	Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6
<b>Pagination:</b>	unp.		
<b>ISBN:</b>	978-0-07-106046-2		
<b>Format:</b>	Print/CD-ROM		
<b>Publisher:</b>	McGraw-Hill Ryerson Limited	<b>Date Recommended:</b>	April 02, 2013

## McGraw-Hill Ryerson Chemistry 12: Teacher's Resource Trial: Connect School Teacher Access Card (Time Limited Trial Access)

<b>Year:</b>	2011	<b>Audience:</b>	Teacher
<b>Pagination:</b>	unp.	<b>Suggested Use(s):</b>	Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6
<b>ISBN:</b>			
<b>Format:</b>	Access code		
<b>Publisher:</b>	McGraw-Hill Ryerson Limited	<b>Date Recommended:</b>	April 02, 2013

## *Nelson Chemistry 11: University Preparation*

**Publisher :** Nelson Education, Ltd.

### *Subject/Grade*

	K	1	2	3	4	5	6	7	8	9	10	11	12
Chemistry												✓	✓
English Language Arts												✓	✓
Health Education												✓	✓
Mathematics												✓	✓
Physical Education												✓	✓
Social Studies												✓	✓

## Nelson Chemistry 11: University Preparation (Student Book and PDF)

<b>Author(s):</b>	Haberer, Stephen, Salciccioli, Kristina, Sanader, Milan	<b>Audience:</b>	Student
		<b>Suggested Use(s):</b>	Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6

**Year:** 2011 5, Topic 6  
**Pagination:** 698 p  
**ISBN:** 978-0-17-651038-1  
**Format:** Print

**Publisher:** Nelson Education, Ltd. **Date Recommended:** April 02, 2013

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### **Nelson Chemistry 11: University Preparation: Teacher's Resource (includes CD-ROM)**

**Author(s):** Haberer, Stephen, Saliccioli, Kristina, Sanader, Milan  
**Audience:** Teacher  
**Suggested Use(s):** Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6  
**Year:** 2011  
**Pagination:** 278 p  
**ISBN:** 978-0-17-635096-3  
**Format:** Print/CD-ROM

**Publisher:** Nelson Education, Ltd. **Date Recommended:** April 02, 2013

#### **Recommended System Requirements:**

Windows XP/Vista/7; Mac OS X 10.4, 10.5, 10.67; Internet Explorer/Safari/Firefox; Adobe Reader 9; Adobe Flash Player 10; For modifiable files Microsoft Word 2003 or later

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## ***Nelson Chemistry 12: University Preparation***

**Publisher :** Nelson Education, Ltd.

### ***Subject / Grade***

	K	1	2	3	4	5	6	7	8	9	10	11	12
Chemistry													✓

Both texts are required to cover the outcomes of the Grade 11 and Grade 12 Chemistry Curricula. Lab activities and practice questions are present in the textbook as are the answer keys available for students to self assess. Skills resources in the appendix address foundational math skills, equipment use, and other necessary processes for Chemistry. The text also employs STSE connections to real life problems and situations to further engage readers.

### **Nelson Chemistry 12: University Preparation (Student Book and PDF)**

**Author(s):** DiGiuseppe, Maurice, **Audience:** Teacher

Haberer, Stephen,  
Saliccioli, Kristina,  
Sanader, Milan, Vavitsas,  
Angela

**Suggested Use(s):** Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6

**Year:** 2012  
**Pagination:** 770 p  
**ISBN:** 978-0-17-650452-6  
**Format:** Print

**Publisher:** Nelson Education, Ltd.      **Date Recommended:** April 02, 2013

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### **Nelson Chemistry 12: University Preparation: Teacher's Resource (includes CD-ROM)**

**Author(s):** DiGiuseppe, Maurice,  
Sanader, Milan

**Audience:** Teacher

**Suggested Use(s):** Cluster 0, Topic 1, Topic 2, Topic 3, Topic 4, Topic 5, Topic 6

**Year:** 2012  
**Pagination:** 262 p  
**ISBN:** 978-0-17-652067-0  
**Format:** Print/CD-ROM

**Publisher:** Nelson Education, Ltd.      **Date Recommended:** April 02, 2013

#### **Recommended System Requirements:**

Windows XP/Vista/7; Mac OS X 10.5, 10.6, 10.7; Internet Explorer/Safari/Firefox; Adobe Reader; Adobe Flash Player; For modifiable files Microsoft Word 2003 or later

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# A U D I E N C E

## Student

Glencoe Chemistry (2017 Edition)

*Glencoe Chemistry: Matter & Change (Student Book)*

*Glencoe Chemistry: Matter & Change: Science Notebook (Student Book)*

Glencoe Chemistry: Matter and Change © 2013

*Glencoe Chemistry: Matter and Change (Student Book)*

McGraw-Hill Ryerson Chemistry 11

*McGraw-Hill Ryerson Chemistry 11 (Student Text)*

*McGraw-Hill Ryerson Chemistry 11: Study Guide*

McGraw-Hill Ryerson Chemistry 12

*McGraw-Hill Ryerson Chemistry 12 (Student Text)*

*McGraw-Hill Ryerson Chemistry 12: Study Guide*

Nelson Chemistry 11: University Preparation

*Nelson Chemistry 11: University Preparation (Student Book and PDF)*

## Teacher

Glencoe Chemistry (2017 Edition)

*Glencoe Chemistry: Matter & Change: Teacher Annotated Edition: Science Notebook*

*Glencoe Chemistry: Matter & Change: Teacher Edition*

Glencoe Chemistry: Matter and Change © 2013

*Glencoe Chemistry: Matter and Change: ExamView Assessment Suite*

*Glencoe Chemistry: Matter and Change: Teacher Classroom Resources*

*Glencoe Chemistry: Matter and Change: Teacher Edition*

McGraw-Hill Ryerson Chemistry 11

*McGraw-Hill Ryerson Chemistry 11: Computerized Assessment Bank CD-ROM*

*McGraw-Hill Ryerson Chemistry 11: Solutions CD-ROM*

*McGraw-Hill Ryerson Chemistry 11: Teacher's Resource (includes CD-ROM)*

*McGraw-Hill Ryerson Chemistry 11: Teacher's Resource Trial: Connect School Teacher Access Card (Time Limited Trial Access)*

McGraw-Hill Ryerson Chemistry 12

*McGraw-Hill Ryerson Chemistry 12: Computerized Assessment Bank CD-ROM*

*McGraw-Hill Ryerson Chemistry 12: Solutions CD-ROM*

*McGraw-Hill Ryerson Chemistry 12: Teacher's Resource (Includes CD-ROM)*

*McGraw-Hill Ryerson Chemistry 12: Teacher's Resource Trial: Connect School Teacher Access Card (Time Limited Trial Access)*

Nelson Chemistry 11: University Preparation

*Nelson Chemistry 11: University Preparation: Teacher's Resource (includes CD-ROM)*

Nelson Chemistry 12: University Preparation

*Nelson Chemistry 12: University Preparation (Student Book and PDF)*

*Nelson Chemistry 12: University Preparation: Teacher's Resource (includes CD-ROM)*

# GRADE

## Grade 11

Glencoe Chemistry (2017 Edition)

*Glencoe Chemistry: Matter & Change (Student Book)*

*Glencoe Chemistry: Matter & Change: Science Notebook (Student Book)*

*Glencoe Chemistry: Matter & Change: Teacher Annotated Edition: Science Notebook*

*Glencoe Chemistry: Matter & Change: Teacher Edition*

Glencoe Chemistry: Matter and Change © 2013

*Glencoe Chemistry: Matter and Change (Student Book)*

*Glencoe Chemistry: Matter and Change: ExamView Assessment Suite*

*Glencoe Chemistry: Matter and Change: Teacher Classroom Resources*

*Glencoe Chemistry: Matter and Change: Teacher Edition*

McGraw-Hill Ryerson Chemistry 11

*McGraw-Hill Ryerson Chemistry 11 (Student Text)*

*McGraw-Hill Ryerson Chemistry 11: Computerized Assessment Bank CD-ROM*

*McGraw-Hill Ryerson Chemistry 11: Solutions CD-ROM*

*McGraw-Hill Ryerson Chemistry 11: Study Guide*

*McGraw-Hill Ryerson Chemistry 11: Teacher's Resource (includes CD-ROM)*

*McGraw-Hill Ryerson Chemistry 11: Teacher's Resource Trial: Connect School Teacher Access Card (Time Limited Trial Access)*

McGraw-Hill Ryerson Chemistry 12

*McGraw-Hill Ryerson Chemistry 12 (Student Text)*

*McGraw-Hill Ryerson Chemistry 12: Computerized Assessment Bank CD-ROM*

*McGraw-Hill Ryerson Chemistry 12: Solutions CD-ROM*

*McGraw-Hill Ryerson Chemistry 12: Study Guide*

*McGraw-Hill Ryerson Chemistry 12: Teacher's Resource (Includes CD-ROM)*

*McGraw-Hill Ryerson Chemistry 12: Teacher's Resource Trial: Connect School Teacher Access Card (Time Limited Trial Access)*

Nelson Chemistry 11: University Preparation

*Nelson Chemistry 11: University Preparation (Student Book and PDF)*

*Nelson Chemistry 11: University Preparation: Teacher's Resource (includes CD-ROM)*

Nelson Chemistry 12: University Preparation

*Nelson Chemistry 12: University Preparation (Student Book and PDF)*

*Nelson Chemistry 12: University Preparation: Teacher's Resource (includes CD-ROM)*

## Grade 12

Glencoe Chemistry (2017 Edition)

*Glencoe Chemistry: Matter & Change (Student Book)*

*Glencoe Chemistry: Matter & Change: Science Notebook (Student Book)*

*Glencoe Chemistry: Matter & Change: Teacher Annotated Edition: Science Notebook*

*Glencoe Chemistry: Matter & Change: Teacher Edition*

Glencoe Chemistry: Matter and Change © 2013

*Glencoe Chemistry: Matter and Change (Student Book)*

*Glencoe Chemistry: Matter and Change: ExamView Assessment Suite*

*Glencoe Chemistry: Matter and Change: Teacher Classroom Resources*

*Glencoe Chemistry: Matter and Change: Teacher Edition*

McGraw-Hill Ryerson Chemistry 11

*McGraw-Hill Ryerson Chemistry 11 (Student Text)*

*McGraw-Hill Ryerson Chemistry 11: Computerized Assessment Bank CD-ROM*

*McGraw-Hill Ryerson Chemistry 11: Solutions CD-ROM*

*McGraw-Hill Ryerson Chemistry 11: Study Guide*

*McGraw-Hill Ryerson Chemistry 11: Teacher's Resource (includes CD-ROM)*

*McGraw-Hill Ryerson Chemistry 11: Teacher's Resource Trial: Connect School  
Teacher Access Card (Time Limited Trial Access)*

McGraw-Hill Ryerson Chemistry 12

*McGraw-Hill Ryerson Chemistry 12 (Student Text)*

*McGraw-Hill Ryerson Chemistry 12: Computerized Assessment Bank CD-ROM*

*McGraw-Hill Ryerson Chemistry 12: Solutions CD-ROM*

*McGraw-Hill Ryerson Chemistry 12: Study Guide*

*McGraw-Hill Ryerson Chemistry 12: Teacher's Resource (Includes CD-ROM)*

*McGraw-Hill Ryerson Chemistry 12: Teacher's Resource Trial: Connect School  
Teacher Access Card (Time Limited Trial Access)*

Nelson Chemistry 11: University Preparation

*Nelson Chemistry 11: University Preparation (Student Book and PDF)*

*Nelson Chemistry 11: University Preparation: Teacher's Resource (includes CD-  
ROM)*

Nelson Chemistry 12: University Preparation

*Nelson Chemistry 12: University Preparation (Student Book and PDF)*

*Nelson Chemistry 12: University Preparation: Teacher's Resource (includes CD-  
ROM)*

# SUGGESTED USE

## Cluster 0

Glencoe Chemistry (2017 Edition)

*Glencoe Chemistry: Matter & Change (Student Book)*

*Glencoe Chemistry: Matter & Change: Science Notebook (Student Book)*

*Glencoe Chemistry: Matter & Change: Teacher Annotated Edition: Science Notebook*

*Glencoe Chemistry: Matter & Change: Teacher Edition*

Glencoe Chemistry: Matter and Change © 2013

*Glencoe Chemistry: Matter and Change: ExamView Assessment Suite*

*Glencoe Chemistry: Matter and Change: Teacher Classroom Resources*

*Glencoe Chemistry: Matter and Change: Teacher Edition*

McGraw-Hill Ryerson Chemistry 11

*McGraw-Hill Ryerson Chemistry 11 (Student Text)*

*McGraw-Hill Ryerson Chemistry 11: Computerized Assessment Bank CD-ROM*

*McGraw-Hill Ryerson Chemistry 11: Solutions CD-ROM*

*McGraw-Hill Ryerson Chemistry 11: Study Guide*

*McGraw-Hill Ryerson Chemistry 11: Teacher's Resource (includes CD-ROM)*

*McGraw-Hill Ryerson Chemistry 11: Teacher's Resource Trial: Connect School Teacher Access Card (Time Limited Trial Access)*

McGraw-Hill Ryerson Chemistry 12

*McGraw-Hill Ryerson Chemistry 12 (Student Text)*

*McGraw-Hill Ryerson Chemistry 12: Computerized Assessment Bank CD-ROM*

*McGraw-Hill Ryerson Chemistry 12: Solutions CD-ROM*

*McGraw-Hill Ryerson Chemistry 12: Study Guide*

*McGraw-Hill Ryerson Chemistry 12: Teacher's Resource (Includes CD-ROM)*

*McGraw-Hill Ryerson Chemistry 12: Teacher's Resource Trial: Connect School Teacher Access Card (Time Limited Trial Access)*

Nelson Chemistry 11: University Preparation

*Nelson Chemistry 11: University Preparation (Student Book and PDF)*

*Nelson Chemistry 11: University Preparation: Teacher's Resource (includes CD-ROM)*

Nelson Chemistry 12: University Preparation

*Nelson Chemistry 12: University Preparation (Student Book and PDF)*

*Nelson Chemistry 12: University Preparation: Teacher's Resource (includes CD-ROM)*

## Topic 1

Glencoe Chemistry (2017 Edition)

*Glencoe Chemistry: Matter & Change (Student Book)*

*Glencoe Chemistry: Matter & Change: Science Notebook (Student Book)*

*Glencoe Chemistry: Matter & Change: Teacher Annotated Edition: Science Notebook*

*Glencoe Chemistry: Matter & Change: Teacher Edition*

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*Glencoe Chemistry: Matter and Change: ExamView Assessment Suite*  
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