Contents

Unit 1: How can the diversity of materials be explained?

Unit 2: What makes water such a unique chemical?

AREA OF STUDY 1
How do substances interact with water?

AREA OF STUDY 2
How are substances in water measured and analysed?

AREA OF STUDY 3
Practical investigation

How to use this book

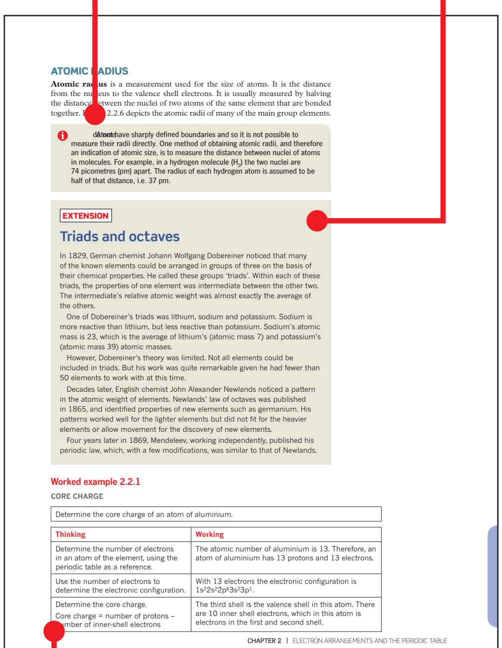
Heinemann Chemistry 1 5th edition

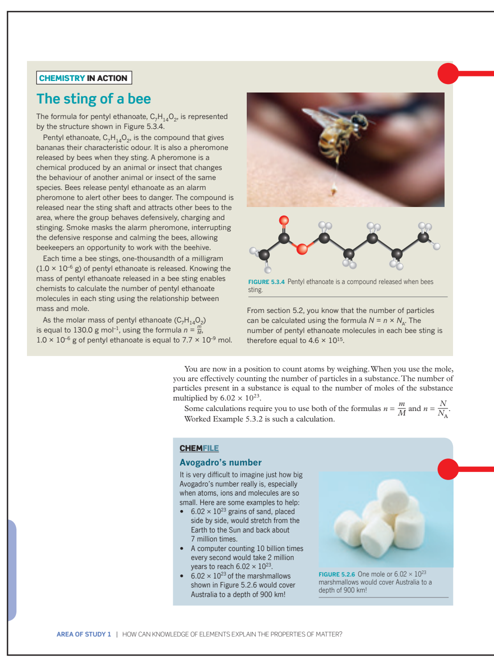
Heinemann Chemistry 1 5th Edition has been written to the new VCE Chemistry Study Design 2016–2021. The book covers Units 1 and 2 in an easy-to-use resource. Explore how to use this book below.

Chapter opener
Chapter opening pages link the Study Design to the chapter content. Key knowledge addressed in the chapter is clearly listed.

Extension
Extension material goes beyond the core content of the Study Design. It is intended for students who wish to expand their depth of understanding.

Highlight
Focus on important information such as key definitions, formulas and summary points.





Chemistry in Action
Chemistry in Action place chemistry in an applied situation or relevant context. These refer to the nature and practice of chemistry, applications of chemistry and the associated issues and the historical development of concepts and ideas.

ChemFile
ChemFiles include a range of interesting information and real-world examples.

Worked examples
Worked examples are set out in steps that show thinking and working. This enhances student understanding by linking underlying logic to the relevant calculations.

Each Worked example is followed by a Try Yourself: Worked example. This mirror problem allows students to immediately test their understanding.

Fully worked solutions to all Try Yourself: Worked examples are available on *Heinemann Chemistry 5th Edition ProductLink*.

Chapter review

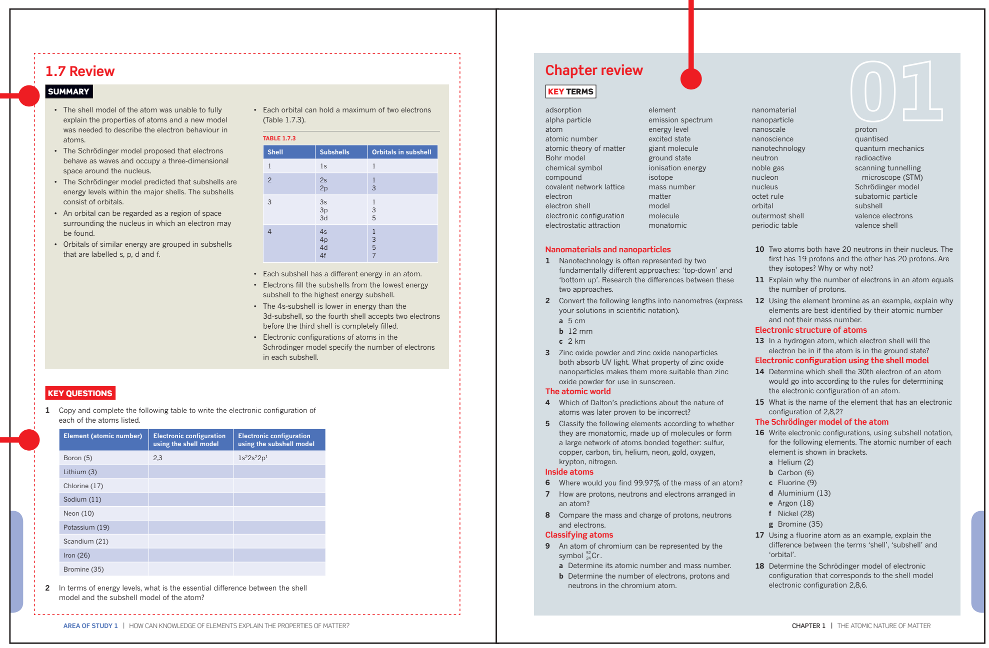
Each chapter finishes with a set of higher order questions to test students' ability to apply the knowledge gained from the chapter.

Section summary

Each section includes a summary to assist students consolidate key points and concepts.

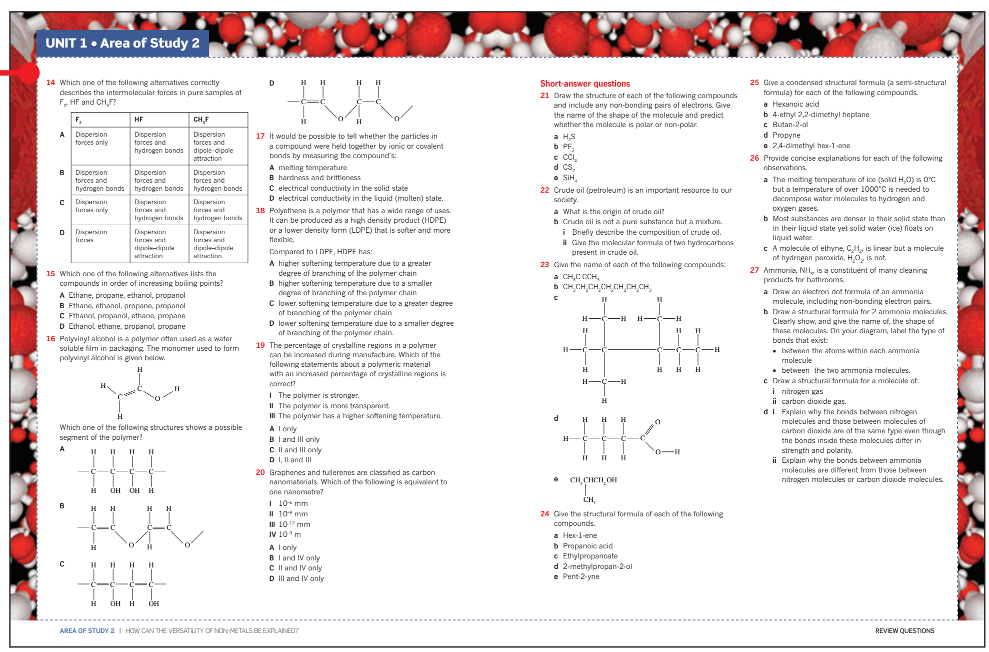
Section review

Each section finishes with questions to test students' understanding and ability to recall the key concepts of the section.



Area of Study review

Each Area of Study finishes with a comprehensive set of exam-style questions, including multiple choice and extended response, that assist students to draw together their knowledge and understanding and apply it to this style of questions.



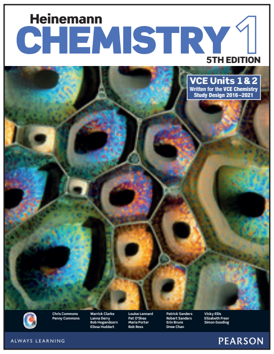
Answers

Numerical answers and key short response answers are included at the back of the book. Comprehensive answers and fully worked solutions for all section review questions, Try Yourself: Worked examples, chapter review questions and Area of Study review questions are provided via *Heinemann Chemistry 5th Edition ProductLink.*

Glossary

Key terms are shown in bold and listed at the end of each chapter. A comprehensive glossary at the end of the book includes and defines all key terms.

Heinemann Chemistry 1
5th edition

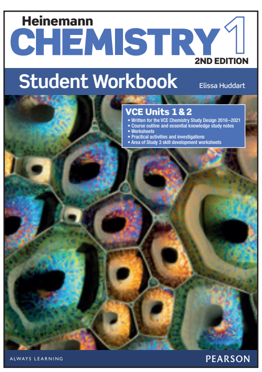


Student Book

Heinemann Chemistry 1 5th Edition has been written to fully align with the VCE Chemistry Study Design 2016–2021. The series includes the very latest developments and applications of Chemistry and incorporates best practice literacy and instructional design to ensure the content and concepts are fully accessible to all students.

Pearson eBook 3.0

Pearson eBook 3.0 is the digital version of the student book. It retains the integrity of the printed page and is available online or offline on any device—PC/Mac, Android tablet, iPad.



Student Workbook

Heinemann Chemistry 1 Student Workbook 2nd edition will give students the edge in preparing for all forms of assessment. New content has been written to ensure the workbook is fully aligned to the 2016–2021 Chemistry Study Design. Key features include study notes, worksheets, practical activities and guidance, and assessment practice and opportunities.

ProductLink

Heinemann Chemistry 5th Edition ProductLink provides comprehensive support for teachers and students completely free of charge. ProductLink includes comprehensive answers and worked solutions to all student book questions, tests, quizzes and practice exams, teaching programs, risk assessments and more.

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