★ UNITS 1&2 ★
NEW FOR 2021

INTRODUCING THE UNITS 1-4 EDROLO CHEMISTRY TEXTBOOKS

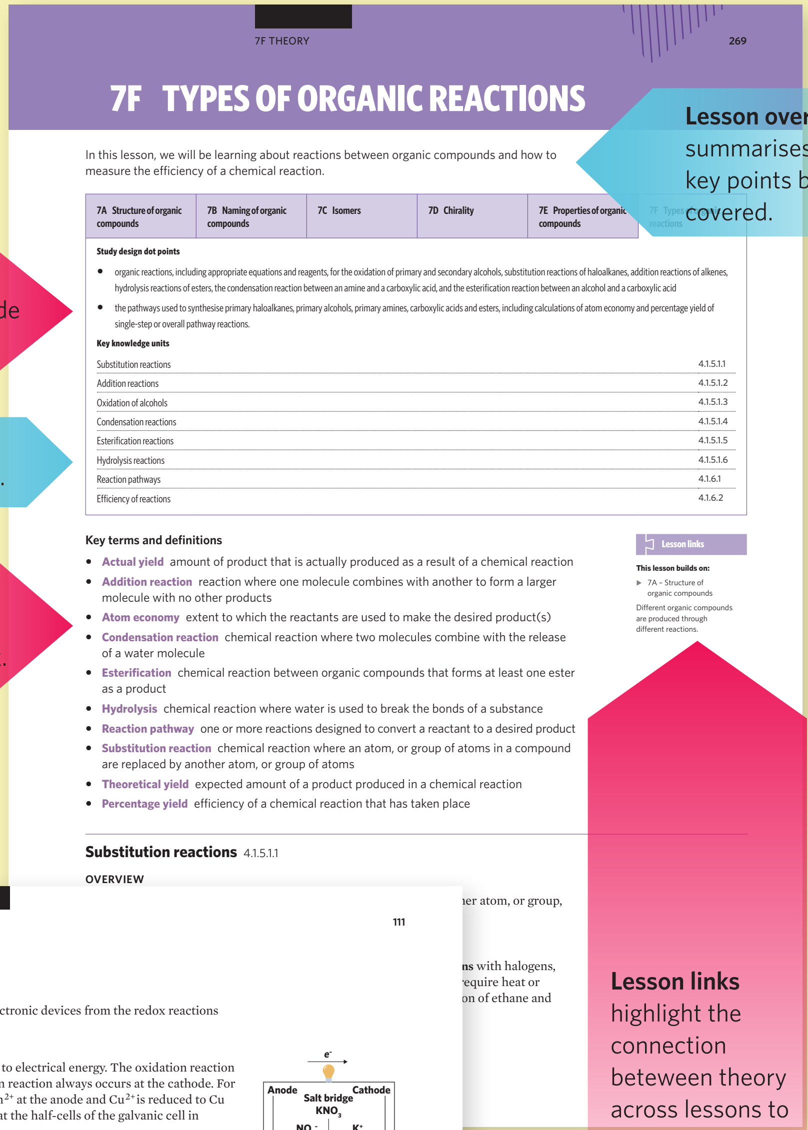
Edrolo

VCE CHEMISTRY

Units 1–4

- **VCAA-style questions** based on a thorough analysis of the past 8-10 exams
- **Multiple lesson questions** covering concepts from different areas of the study design
- **Exemplar answers** with a **checklist** and **video solution** for every exam-style question
- **Chapter review tests** for valuable SAC & exam practice
- **Key science skills question** at the end of each chapter
- **Concise theory** covers the core knowledge required within the scope of the VCAA Study Design
- **Theory summaries** concisely reiterate the key points from the lesson
- **Key Science Skills & Scientific Investigation** covered in a dedicated chapter
- **Edrolo Theory Master videos aligned** directly to textbook chapters
- **Experiments** at the end of each chapter
- **Full lessons dedicated to difficult concepts** deep dive into areas of the Study Design students find most challenging:
  - Accuracy vs precision
  - Writing a scientific report
  - Biodiesel vs petrodiesel
  - Redox reactions
  - Equilibrium reactions
  - Organic reaction pathways
  - Volumetric analysis

AT THE BEGINNING OF EACH LESSON YOU WILL FIND:



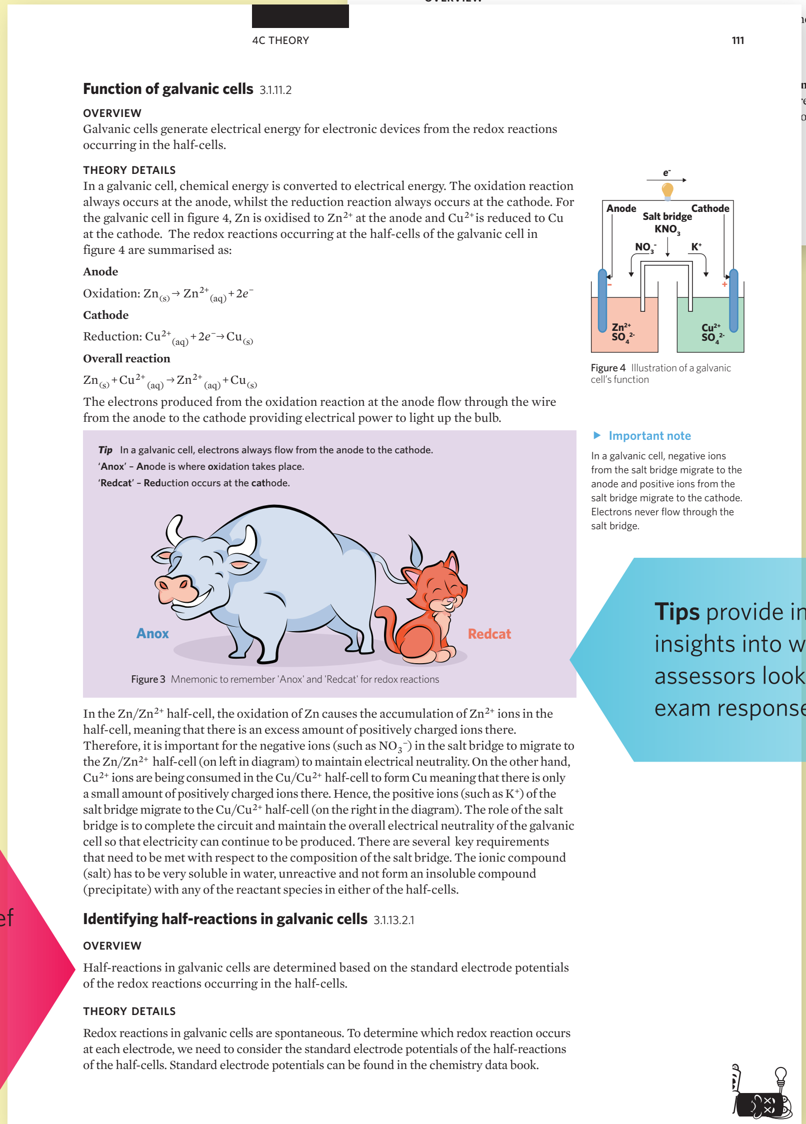
Key Knowledge dot-points from the study design provide explicit links to the syllabus.

Key Knowledge Units (KUs) show a breakdown of the lesson.

Key terms and definitions are listed at the beginning of the chapter. All key terms are collated in the glossary in the back of the book.

Lesson overview summarises the key points being covered.

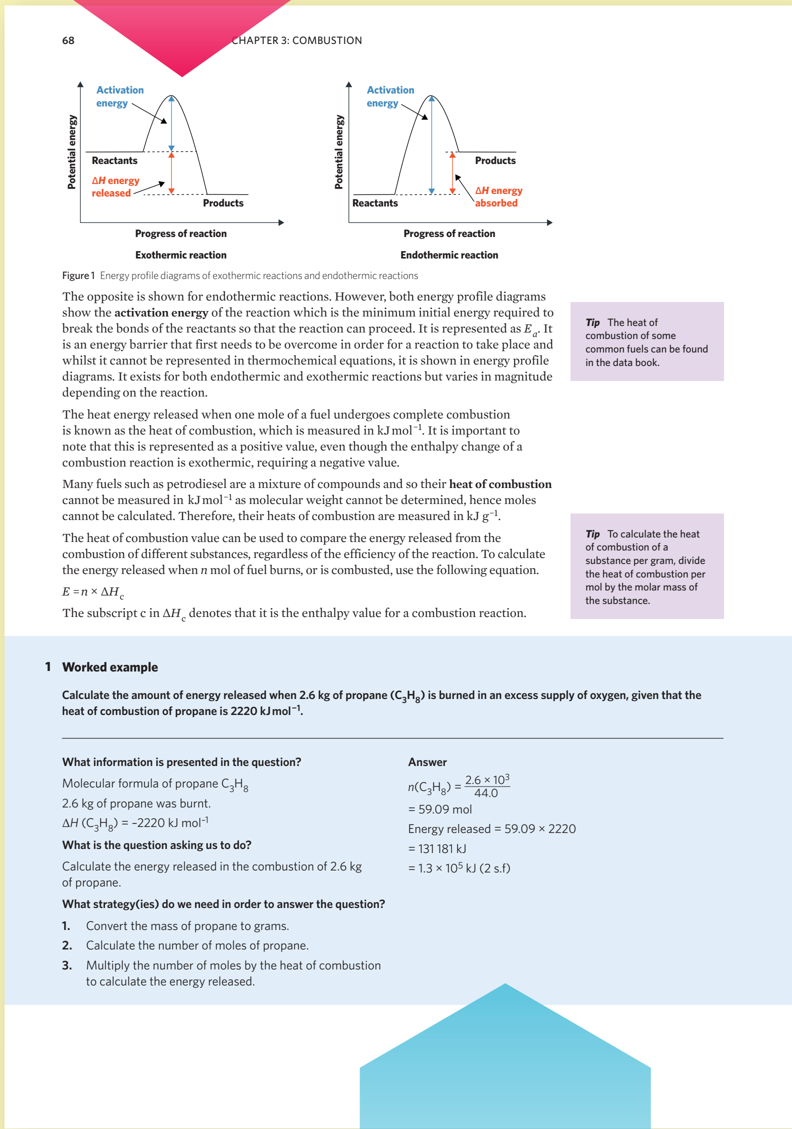
Lesson links highlight the connection between theory across lessons to create a holistic understanding of the course.



Tips provide important insights into what VCAA assessors look for in exam responses.

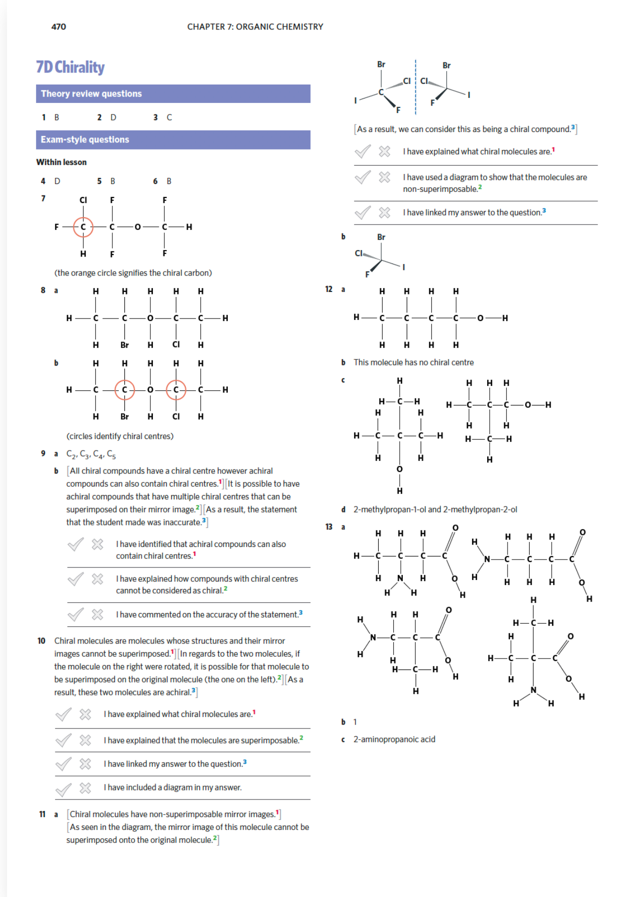
Knowledge Unit overview provides a brief description of what will be covered next using basic terminology to introduce concepts.

Diagrams help students understand and remember key theory.



Worked examples guide students through the analysis of a question, the steps required, and a thorough work-through of how to reach the answer.

QUESTIONS, SOLUTIONS, & CALCULATOR INSTRUCTIONS



TEXTBOOK QUESTIONS:

- **Theory review questions** are multiple-choice questions that assess a student's comprehension of the theory covered in the lesson.
- **Exam-style questions** provide frequent, valuable exam practice with questions covering content from within the lesson and also from previous lessons to reinforce the interconnected nature of the curriculum.
- **Key Science Skills questions** assess skills outlined in the VCAA Study Design through experimental design or data analysis questions.

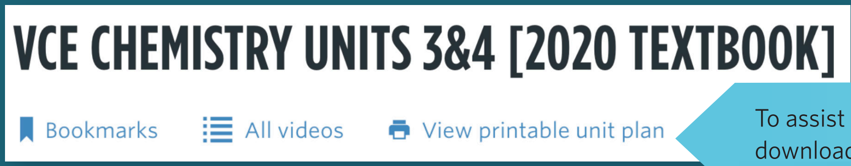
TEXTBOOK SOLUTIONS:

- **Exemplar response:** written responses to every exam-style question provide students with an example of a full-mark answer.
- **Checklists** provide a breakdown of the exemplar response to guide students when self-marking their answers.
- **Video solutions** in your Edrolo account explain and deconstruct every single exam-style question.

FOR **MORE INFO** SEE THE **TEXTBOOK TRAINING VIDEO** IN **YOUR EDROLO ACCOUNT**.

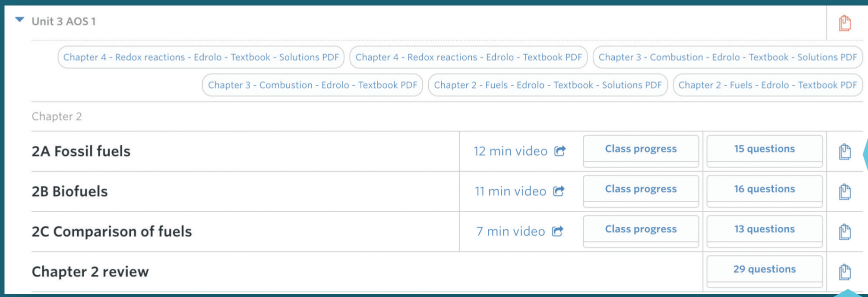
NAVIGATING YOUR EDROLO TEXTBOOK **ONLINE**

PLANNING AHEAD



To assist with planning, there is an editable and downloadable **unit plan** available for your course.

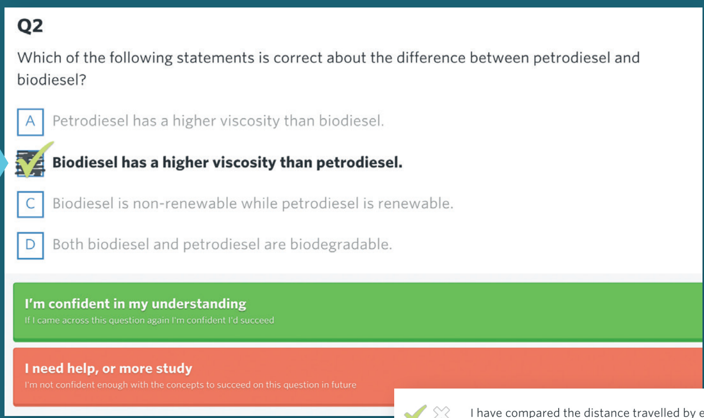
ACCESSING THE TEXTBOOK PDFS, DIGITAL TEXTBOOK QUESTIONS AND SOLUTIONS



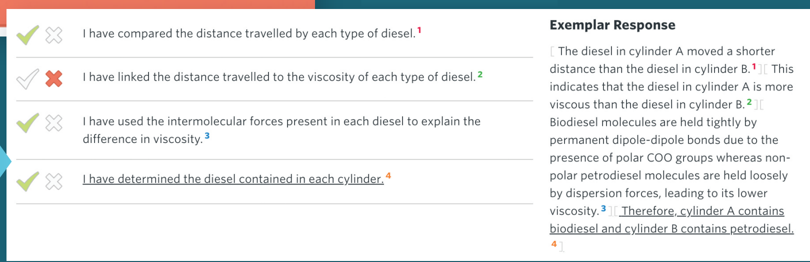
All questions found in the text are also available as interactive digital questions. To access these, click on the **X questions** button next to the corresponding theory lesson.

Click the **Additional Resources icon** beside each Area of Study to find your Textbook PDFs.

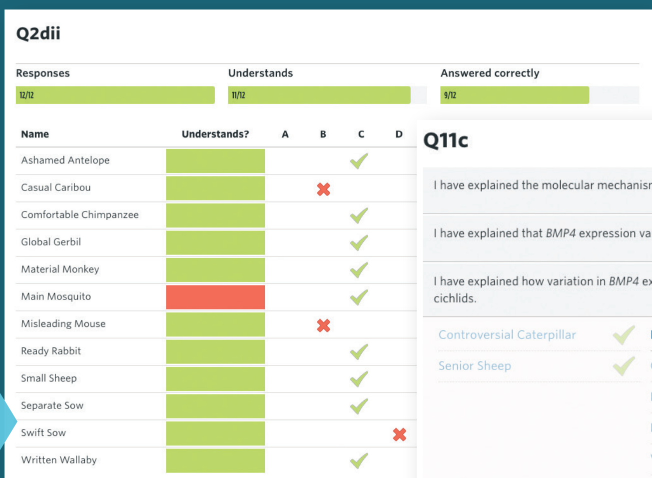
For multiple-choice questions, students receive immediate feedback.

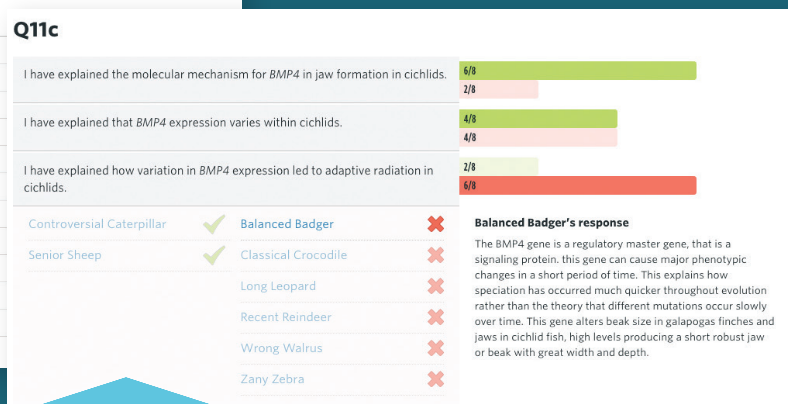


For short-answer questions, students self-mark their work using the **exemplar response** and **digital checklist**.



CHECKING STUDENT RESPONSES





Multiple-choice results: see each student's answer and reflection on their understanding as well as a summary of your whole class.

Extended response: see how each student self-assessed against the checklist. Click on any of the **checklist items** and click a student's name to view their response.

Edrolo