Contents

Unit 2: What do experiments reveal about the physical world?

How to use this book

Heinemann Physics 11 4th edition

Heinemann Physics 11 4th edition has been written to the new VCE Physics 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

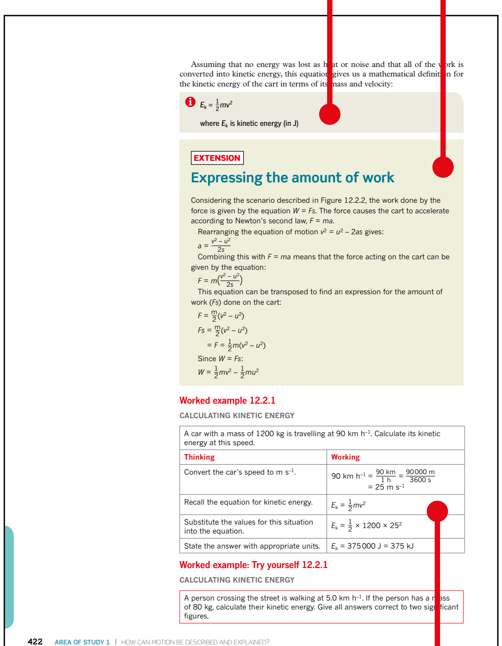
Chapter opening pages links the Study Design to the chapter content. Key knowledge addressed in the chapter is clearly listed.

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, formulae and summary points.



Physics in Action

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

PhysicsFile

PhysicsFiles include a range of interesting information and real world examples.

Worked examples

Worked examples are set out in steps that show both 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 Physics 11 4th edition ProductLink.*

Chapter review

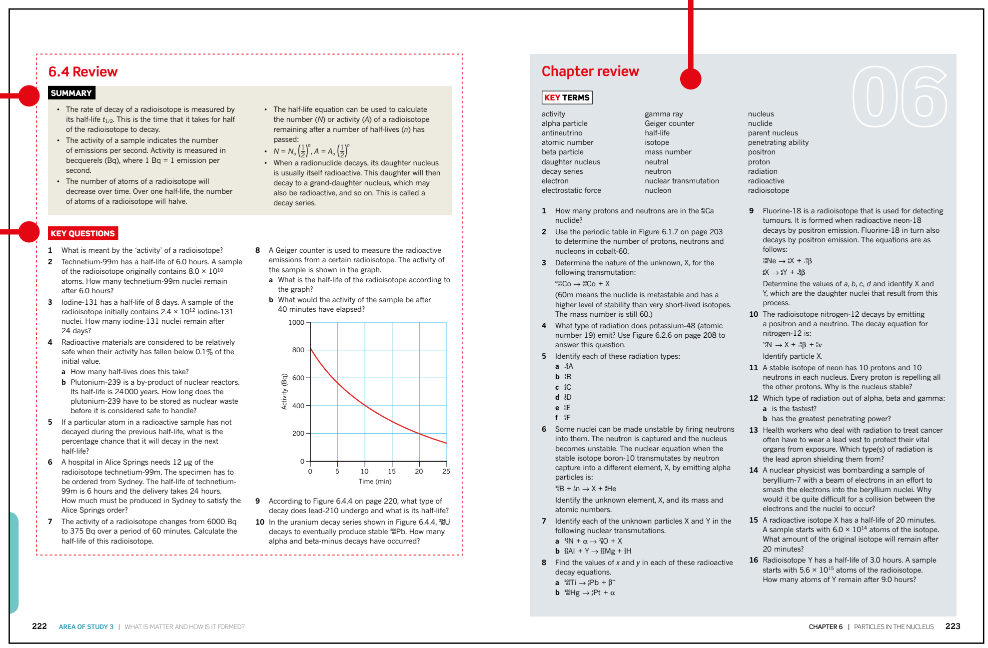
Each chapter finishes with a set of higher order questions to test students' ability to apply the knowledge gained from the chapter.

Section summary

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

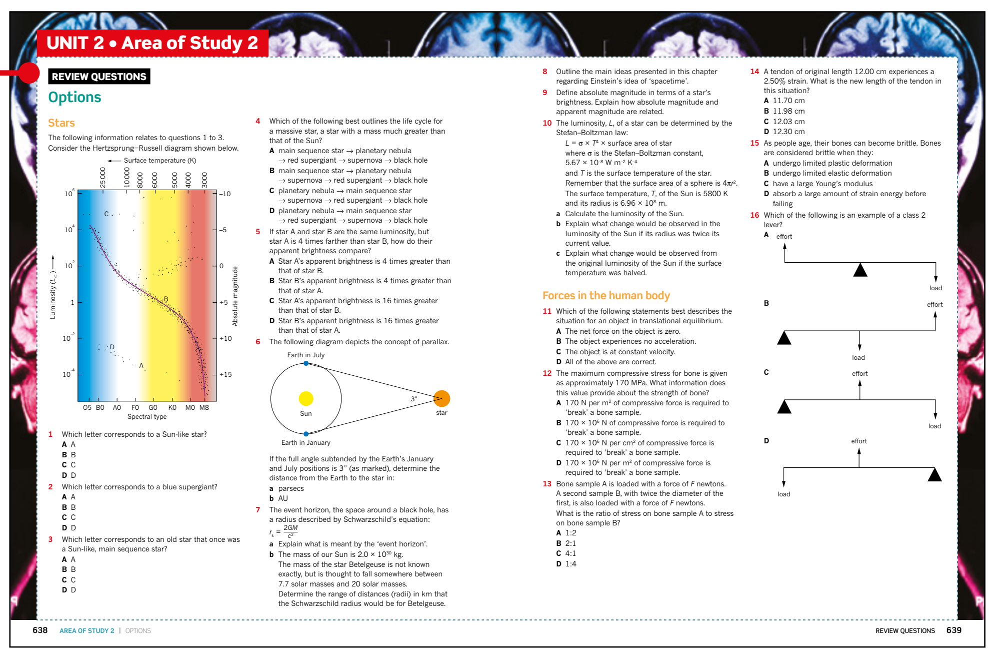
Section review

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 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 Physics 11 4th 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.