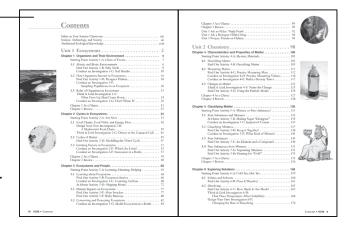
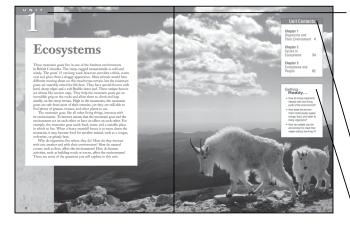
## A Tour of Your Textbook

To do the activities in this workbook, it is helpful to understand now your *BC Science* 7 textbook is organized. Take the brief Tour on the next six pages to become familiar with the textbook's structure. You will then be better prepared to review information in your textbook as you complete the workbook.

#### Contents

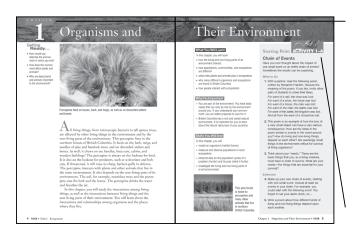
- The table of contents at the beginning of the textbook lists everything that you will find in the book. Read the titles of the three units and the nine chapters in the textbook.
- Note that each chapter is divided into three or four numbered sections.

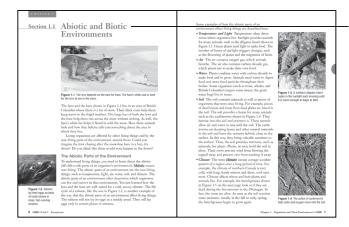




#### **Unit Opener**

- The three units of the textbook are: Ecosystems, Chemistry, and Earth's Crust.
- The Unit Opener text and photograph introduce the main ideas in the unit.
- The **Unit Contents** box lists the three chapters that make up each unit.
- The **Getting Ready**... questions invite you to reflect on what you already know and what you think you will learn in the unit.





#### **Chapter Opener**

- The chapter opener outlines
  What You Will Learn, Why It Is
  Important, and Skills You Will
  Use in the chapter.
- More Getting Ready... questions help you recognize that you may already know quite a lot about the main topics in the chapter.

## **Starting Point Activity**

 A short activity at the beginning of each chapter starts you thinking about one or two main ideas in the chapter.

#### **Section Opener and Running Text**

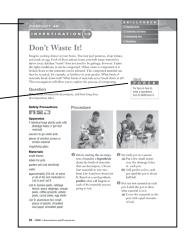
- Each new section in a chapter is clearly flagged.
- The running text is divided into "chunks" to help you understand the content.
- Each picture has a caption that explains what the picture is about.
- Key terms are boldfaced and highlighted in yellow. Each key term is defined within the running text and also in the Glossary at the back of the textbook.

#### Conduct an Investigation

 This is usually a hands-on experiment in which you practise your science skills. Examples of these skills are hypothesizing, making observations, and obtaining and recording data.

#### Skill Power -

 This box directs you to one of the six Skill Power sections at the back of the textbook. The Skill Power sections can help you with graphing, writing a hypothesis, taking measurements, and other skills.



## Think & Link Investigation -

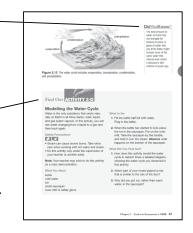
- In these investigations, you practise your research or analysis skills.
- These thought-based activities let you explore ideas that might be impractical or dangerous in the science classroom.

#### Did You Know? -

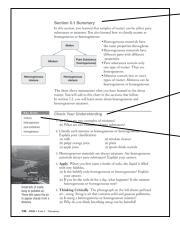
 Read these boxes in the margin to find out cool facts about science, technology, the environment, and society.

### Find Out Activity -

 These short, informal activities often involve hands-on exploration and simple materials.







#### **Section Summary**

 This feature summarizes the main ideas in each section in a chapter.

## **Check Your Understanding**

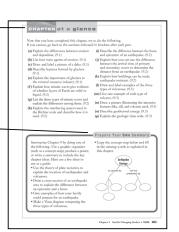
- These section review questions test your new knowledge.
- The **Key Terms** for each section are listed in a box to help you answer the review questions.

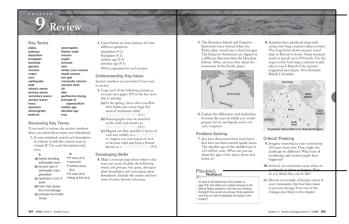
#### Chapter at a Glance

 These activities allow you to check your understanding of the main ideas in the chapter. The chapter section numbers are given to help you review.

## **Prepare Your Own Summary**

 Summarize what you have learned in the chapter by following the guidelines given here. You can choose from a variety of ways to summarize your learning.





#### **Chapter Review**

- At the end of each chapter, these two pages can help you study for a chapter test.
- The review questions help you recall, think about, and apply what you have learned.

#### Pause & Reflect

 These features help you stop and think about what you now know about the topics explained in the chapter. You can compare your new learning with what you knew at the beginning of the chapter.

#### Career Connect

 These features portray people with varying levels of education who apply science and technology in their jobs.

#### **Reading Check**

 These brief questions help ensure that you understand the concepts in the text.



## **End-of-Unit Features**

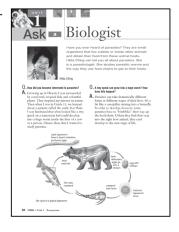
#### Ask an Elder -

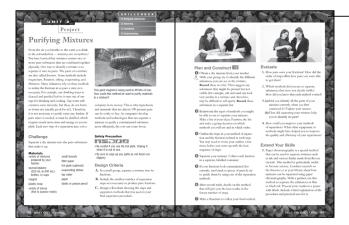
- Each unit features an interview with an Elder from a particular place in British Columbia.
- The content of each interview ties in with the overall theme of the unit.
- In these interviews, Elders share their knowledge, understanding, experience, and wisdom. They answer questions about the roles and responsibilities of Elders in Aboriginal communities in British Columbia.
- A follow-up activity at the end of each interview gives you an opportunity for further learning.



#### Ask a Scientist

- These career profiles feature an interview with a science specialist.
- The features are: Ask a Biologist, Ask an Oil Spill Adviser, and Ask a Geophysicist.
- A follow-up activity at the end of each interview provides an opportunity for further learning.





#### **Project**

- Each project lets you apply key concepts and skills from the unit to design and create a device, system, or model of your own.
- You will complete the project as part of a team.

## At the Back of Your Text...

#### **Glossary**

 Note the boldfaced key terms highlighted in yellow that appear in your textbook. Each key term is defined in the Glossary at the back of the textbook. The Glossary is organized alphabetically.

#### Index

 The Index at the back of the textbook helps you locate a particular topic in the book. It is organized alphabetically as well.



# **Other Important Features**

## INTERNETS CONNECT

- These features help you research more information about a topic.
- The BC Science 7 web site links you to other web sites related to each Internet Connect.



• Read these features to learn some weird science facts.

#### **Special Icons**



• The Group Work icon signals that you will be working as a member of a team.



• The pencil icon reminds you to write your predictions and observations on paper.



The safety icons are extremely important. They alert you to any safety precautions you should take, such as wearing safety goggles or a lab apron. Other safety icons that are used in BC Science 7 are shown on page xi of the textbook.