

Insight Link

Curriculum Integration Reading Program

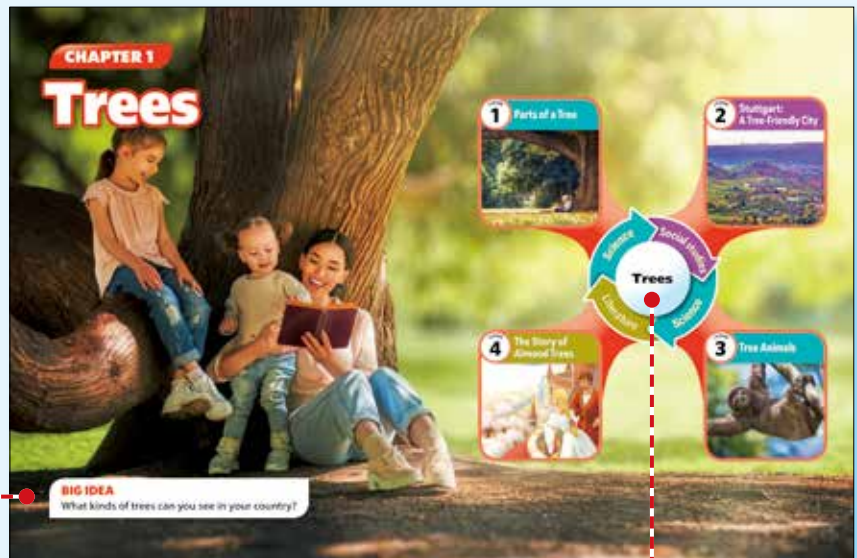
120 words

L1

Lesson Components

BIG IDEA

The Big Idea section stimulates students' interest and gives them a wider understanding of the chapter's theme.



Contents Map

The Contents Map section previews the content covered in each lesson and presents the unifying theme.

Question

The Question section prepares students for the lesson by asking them about something related to their own lives.



Background Link

The Background Link section offers students background information and interesting activities that help motivate them to read the passage and understand it better.

Key Words

The Key Words section highlights the key words from the lesson and includes a picture alongside each word.

100 Parts of a Tree

Let's Focus

All trees have three main parts—roots, a trunk, and a crown.

The tree's roots are below the soil. The strong roots keep the tree steady in place. Each root has thousands of tiny hairs. They soak up water and nutrients from the soil.

The water and nutrients travel through the trunk, inside the trunk, they move to other parts of the tree. The trunk has many layers. The thick, hard outside layer is the bark. It protects the softer inside.

The crown is at the top of the tree. It has many branches and leaves. The leaves make food for the tree. They use sunlight, carbon dioxide, and water to make it. This process also makes oxygen.

All of a tree's parts are very important, just like your body parts.

Let's Focus

The Let's Focus section encourages students to think about the main idea as they read through the passage.

Link to Self

The Link to Self section allows students to relate ideas from the passage to their own lives or to think critically about what they have read.

Reading Comprehension

- What is the main idea of the passage?
 - It is about the soil health.
 - There are many kinds of trees.
 - Each tree part has an important role.
- What do the tiny hairs on the roots do?
 - They support heavy leaves.
 - They help the tree stay in place.
 - They soak up water and nutrients from the soil.
- What is true about the bark of a tree?
 - It is the trunk.
 - It is under the roots.
 - It makes food for the tree.
- Leaves use _____, carbon dioxide, and water to make _____ for the tree.
 - Food - oxygen
 - oxygen - food
 - Food - water
- Where is the crown of a tree? What does it have?
 - The crown is at the _____ of the tree. It has _____ and leaves.

Find Evidence

Check T for true or F for false.

- The roots make oxygen for the tree.
- The outside layer of the trunk is the bark.

Go to pages 100-111. Find and underline the evidence for each answer in C-6.

Graphic Organizer & Summary

Step 1 Write the correct words in the blank.

Step 2 Complete the summary with the given words.

the trunk, the roots, the crown, and the leaves. The roots help the tree _____ in place. They soak up water and nutrients from the soil. _____ inside the trunk, they move to other parts of the tree. The trunk has many layers. The thick, hard outside layer is the bark. It protects the softer inside. The crown is at the top of the tree. It has many branches and leaves. The leaves make food for the tree. They use _____, carbon dioxide, and water to make it. This process also makes oxygen.

Reading Comprehension

In this section, students' understanding of the passage is checked through a series of multiple-choice and short-answer questions.

Graphic Organizer & Summary

A two-step summarizing activity teaches students how to make outlines and summaries.

1 Parts of a Tree

- What kinds of vegetables grow in the soil?
- Which of these houses is dry?
- What is this sponge made up of?
- What nutrients do oranges have?
- How many layers does the piece of cake have?
- Which part of the tree has more sunlight?

Find Evidence

The Find Evidence section encourages students to closely focus on the meaning of individual words and sentences by finding evidence from the text to answer comprehension questions. Both detail and inference questions are included.

Vocabulary Worksheet

After studying the Key Words section, students apply what they've learned using the Vocabulary Worksheet. While answering questions that include the key words, students can activate their prior knowledge or experience and reinforce their learning.

Contents

CHAPTER 1

Trees



LESSON	SUBJECT	TITLE	WORDS	PAGE
1	Science	Parts of a Tree	131	6
2	Social Studies	Stuttgart: A Tree-Friendly City	129	14
3	Science	Tree Animals	134	20
4	Literature	The Story of Almond Trees	135	26

CHAPTER 2

Special Days



LESSON	SUBJECT	TITLE	WORDS	PAGE
5	Social Studies	A Fun Book Holiday	133	32
6	Social Studies	Watch the Groundhog	134	40
7	History	April Fools' with the BBC	139	46
8	Art	Marc Chagall's Birthday Painting	132	52





CHAPTER 3

Seasons



LESSON	SUBJECT	TITLE	WORDS	PAGE
9	Science	The Four Seasons in Forests	137	58
10	Social Studies & Health	In-Season Foods Are the Best!	127	66
11	Science & Social Studies	Summer and Winter Solstices	131	72
12	Music	The Four Musical Seasons	130	78

CHAPTER 4

Mirrors



LESSON	SUBJECT	TITLE	WORDS	PAGE
13	Science	Patterns of Light	136	84
14	History	Mirror Writing	139	92
15	Social Studies	The Hall of Mirrors	139	98
16	Art	The Secret of <i>The Arnolfini Portrait</i>	130	104



Supplementary
Material

Vocabulary Worksheet p. 113

A woman with dark hair, wearing a light pink shirt and blue jeans, is sitting on the ground under a large, thick tree trunk. She is smiling and reading a purple book to two children. One child, a young girl with pigtails wearing a light pink shirt and blue jeans, is sitting on a large, hollowed-out log. The other child, a younger girl with pigtails wearing a light green sweater and blue jeans, is sitting on the ground next to the woman. The scene is set in a lush green park with sunlight filtering through the trees.

CHAPTER 1

Trees

BIG IDEA

What kinds of trees can you see in your country?

LESSON

1

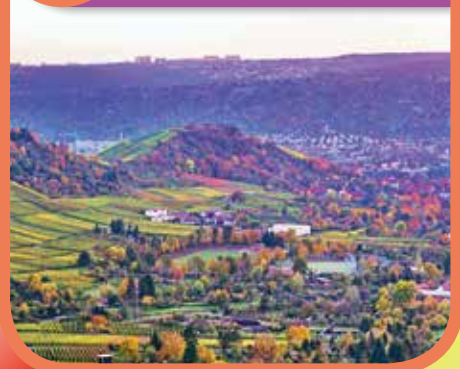
Parts of a Tree



LESSON

2

Stuttgart: A Tree-Friendly City



Trees

Science

Social Studies

Literature

Science

LESSON

4

The Story of Almond Trees



LESSON

3

Tree Animals





Parts of a Tree

Q. What parts does a tree have?

Background Link

- A tree has three main parts. They are the crown, the trunk, and the roots. They play important roles for the tree.
- There is a picture of a tree. Write the names of its main parts in the blanks.

Key Words Listen and repeat the words. ((02))



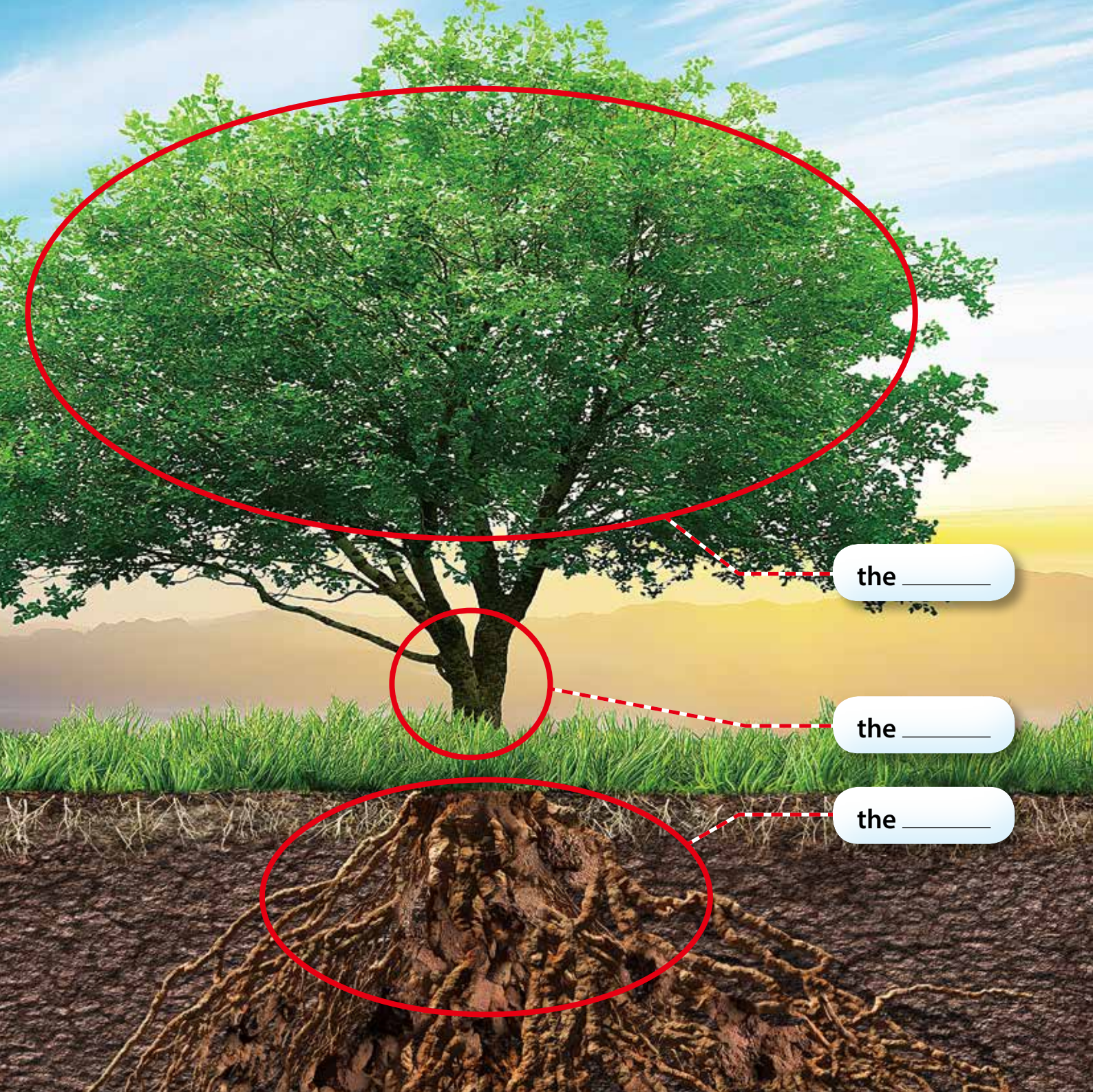
soil



tiny



soak up



the _____

the _____

the _____

Vocabulary Worksheet → p.113

4.



nutrient

5.



layer

6.



sunlight

Parts of a Tree

Let's Focus

What does each part of a tree do?

All trees have three main parts—roots, a trunk, and a crown.

The tree's roots are below the **soil**. The strong roots help the tree stay in place. Each root has thousands of **tiny** hairs. They **soak up** water and **nutrients** from the soil.

The water and nutrients travel through the trunk. Inside the trunk, they move to other parts of the tree. The trunk has many **layers**. The thick, hard outside layer is the bark. It protects the softer inside.

The crown is at the top of the tree. It has many branches and leaves. The leaves make food for the tree. They use **sunlight**, carbon dioxide, and water to make it. This process also makes oxygen.

All of a tree's parts are very important, just like your body parts!

Words 131



▲ The leaves make food for the tree.



▲ The bark protects the softer inside of the trunk.



▲ The roots help the tree stay in place.

**LINK TO
SELF**

Have you seen a tree today?

1. What is the main idea of the passage?
 - a. A tree keeps the soil healthy.
 - b. There are many kinds of trees.
 - c. Each tree part has an important role.

2. What do the tiny hairs on the roots do?
 - a. They support many leaves.
 - b. They help the tree stay in place.
 - c. They soak up water and nutrients from the soil.

3. What is true about the trunk of a tree?
 - a. It has bark.
 - b. It is under the roots.
 - c. It makes food for the tree.

4. Leaves use _____, carbon dioxide, and water to make _____ for the tree.
 - a. trunk – water
 - b. sunlight – food
 - c. bark – water

5. Q: Where is the crown of a tree? What does it have?
 A: The crown is at the _____ of the tree. It has _____ and leaves.

Find Evidence

STEP 1 Check T for true or F for false.

1. The roots make oxygen for the tree.

 T

 F

2. The outside layer of the trunk is harder than its inside.

 T

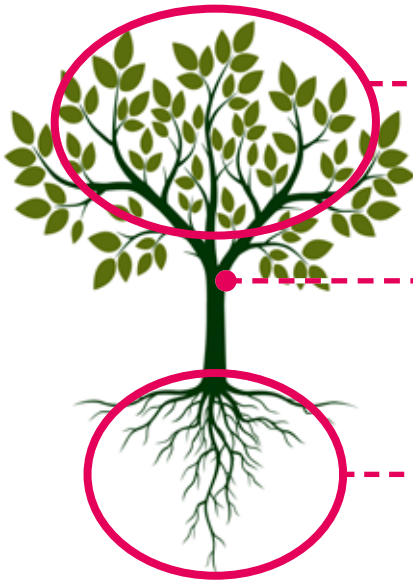
 F

STEP 2 Go to pages 10–11.

Find and underline the evidence for each answer in **STEP 1**.

Graphic Organizer & Summary

Step 1 Write the correct words in each blank.



crown

- It has _____.
- The leaves make _____.

trunk

- It has _____.
- Bark protects _____.

roots

- They help _____.
- Each root has _____.

many layers
branches and leaves
the tree stay in place

the softer inside
food and oxygen
thousands of tiny hairs

Step 2 Complete the summary with the given words.

stay nutrients oxygen
three branches outside

A tree has _____ main parts. They are the roots, the trunk, and the crown. The roots help the tree _____ in place. Their tiny hairs soak up water and _____ from the soil. The water and nutrients travel through the trunk. The trunk has many layers. The _____ layer is called "bark." The crown is at the top of the tree. It has _____ and leaves. The leaves make food for the tree. They also make _____.

Parts of a Tree

1. What kinds of vegetables grow in the *soil*?



_____ grow in the soil.

2. Which of these houses is *tiny*?

a.



b.



3. What is this sponge *soaking up*?



It is soaking up some _____.

4. What *nutrient* do oranges have?



They have _____.

5. How many *layers* does the piece of cake have?



It has _____ layers.

6. Which picture has more *sunlight*?

a.



b.



Stuttgart: A Tree-Friendly City

1. Which one is an *eco-friendly* practice?

a.



b.



2. What *industry* are these people working in?



They are working in the (movie / car) industry.

3. Which apple looks *fresh*?

a.



b.



4. Have you *planted* seeds before? What kind of seeds were they?



(Yes / No). They were _____ seeds.

5. What are people *banned* from doing here?



They are banned from _____.

6. Is there a *construction* site in your town? What are people building there?



(Yes / No). They are building _____.