

# SCIENCE

Student Book

▶ **2nd Grade** | Unit 2

.....

# PLANTS

## SCIENCE 202

Introduction |4

### 1. How Plants Are Like People ..... 6

Self Test 1 |9

### 2. How Plants Are the Same ..... 10

Seeds |12

Roots |13

Stems |16

Leaves |18

Buds |21

Flowers |24

Self Test 2 |29

### 3. How Plants Are Different ..... 31

Habitat |32

Growth |34

Strange Plants |36

Self Test 3 |40

### 4. What Plants Need to Live ..... 43

Air |43

Light |43

Water |45

Self Test 4 |47

LIFEPAC Test |Pull-out

**Author:**

Joseph N. Heath, M.S.

**Editor:**

Richard W. Wheeler, M.A.Ed.

**Consulting Editor:**

Harold Wengert, Ed.D.

**Revision Editor:**

Alan Christopherson, M.S.

**Media Credits:**

**Page 4:** © skellos, Thinkstock; **18:** © Teneresa, iStock, Thinkstock; **32:** © stockakia, iStock, Thinkstock.



**804 N. 2nd Ave. E.  
Rock Rapids, IA 51246-1759**

© MCMXCVI by Alpha Omega Publications, Inc. All rights reserved.  
LIFEPAC is a registered trademark of Alpha Omega Publications, Inc.

All trademarks and/or service marks referenced in this material are the property of their respective owners.  
Alpha Omega Publications, Inc. makes no claim of ownership to any trademarks and/or service marks other than their own and their affiliates, and makes no claim of affiliation to any companies whose trademarks may be listed in this material, other than their own.

## Learn with our friends!



When you see me, I will help your teacher explain the exciting things you are expected to do.



When you do actions with me, you will learn how to write, draw, match words, read, and much more.



You and I will learn about matching words, listening, drawing, and other fun things in your lessons.



Follow me and I will show you new, exciting truths that will help you learn and understand what you study. Let's learn!

# PLANTS



This LIFEPAC® is about God’s plan for plants. You will learn how plants are alike. Then you will learn how plants are different. You will find out what plants need to grow.



## Objectives

**Read these objectives.** They will tell what you will be able to do when you have finished this LIFEPAC.

1. You will be able to give the names of three parts of a plant.
2. You will be able to tell how plants grow.
3. You will be able to name two ways plants are different.
4. You will be able to name three things plants need to live.



# 1. HOW PLANTS ARE LIKE PEOPLE

Did you know that in some ways plants are like people? God has planned life for both plants and people.



## Words to Study

**alike** (a-like). The same as something else.

**shine**. To give off light.

Ask your teacher to say these words with you.



Teacher Check \_\_\_\_\_

Initial

Date

God made the sun to **shine** on all the world. People need the sun to help them grow and to keep them warm. Plants need the sun to help them grow, too. The sun makes the land warm.



God made the water so people can drink. God made the water so plants can drink, too. Both people and plants need water to live.

God made the air for people and for plants. People need the air. Plants need the air, too.

God made the ground. People need the ground to work and to play. God made the ground so plants can live. Plants need the ground to do their work.

God made people and plants **alike** in many ways, didn't he?



**Helping is loving.**



Print a sentence using each word. Tell how God planned life for plants and people.

1.1

sun \_\_\_\_\_

\_\_\_\_\_

1.2

water \_\_\_\_\_

\_\_\_\_\_

1.3

air \_\_\_\_\_

\_\_\_\_\_

1.4

ground \_\_\_\_\_

\_\_\_\_\_



Teacher Check

\_\_\_\_\_

Initial

\_\_\_\_\_

Date



**Before you take the Self Test, study what you have read and done.** The Self Test will check what you remember.

# SELF TEST 1

Each answer = 1 point

Print the words from the box in the blanks.

work	water	shine	sun
alike	people	grow	live

- 1.01** Plants need the \_\_\_\_\_ to be warm.
- 1.02** Plants and \_\_\_\_\_ need air.
- 1.03** People \_\_\_\_\_ and play on the ground.
- 1.04** Plants \_\_\_\_\_ in the ground.
- 1.05** Both plants and animals drink \_\_\_\_\_ .
- 1.06** The sun helps people to \_\_\_\_\_ tall.
- 1.07** God made the sun to \_\_\_\_\_ .
- 1.08** People and plants are \_\_\_\_\_ in many ways.



Teacher Check

\_\_\_\_\_  
Initial Date



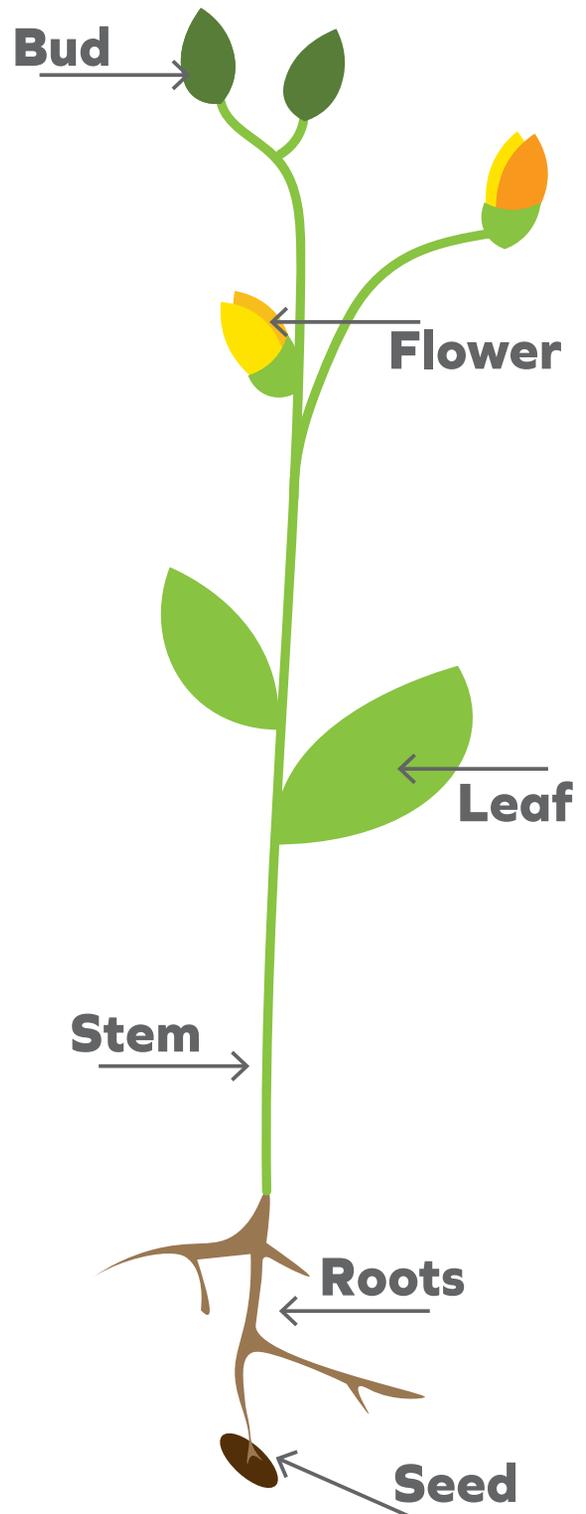
**My Score**

## 2. HOW PLANTS ARE THE SAME

God has made many kinds of plants. Some plants look alike, but many plants look different. Plants are the same in many ways even if they look different.

Most plants grow from seeds. **Roots** from the seeds go into the ground. **Stems** grow out of the ground from the seeds. Plants have leaves that grow out from the stems. Plants can have flowers. Flowers can make seeds. Then new plants can grow from the seeds.

You are going to study each part of a plant.



## Words to Study

**blossom** (blos som). A flower.

**bud.** The part of a plant that has the new growth for next year.

**main.** Most important.

**ripe.** Ready to eat.

**root.** The part of the plant that is in the ground.

**shiny** (shin y). Bright.

**stem.** The part of the plant that holds up flowers or leaves.

**sunshine** (sun shine). The light given off by the sun.

**toothpick** (tooth pick). A small, pointed wooden stick.

**tube.** Anything long and round with an empty inside.

**vein.** A tube used to carry something from inside one place to another.

**Ask your teacher to say these words with you.**



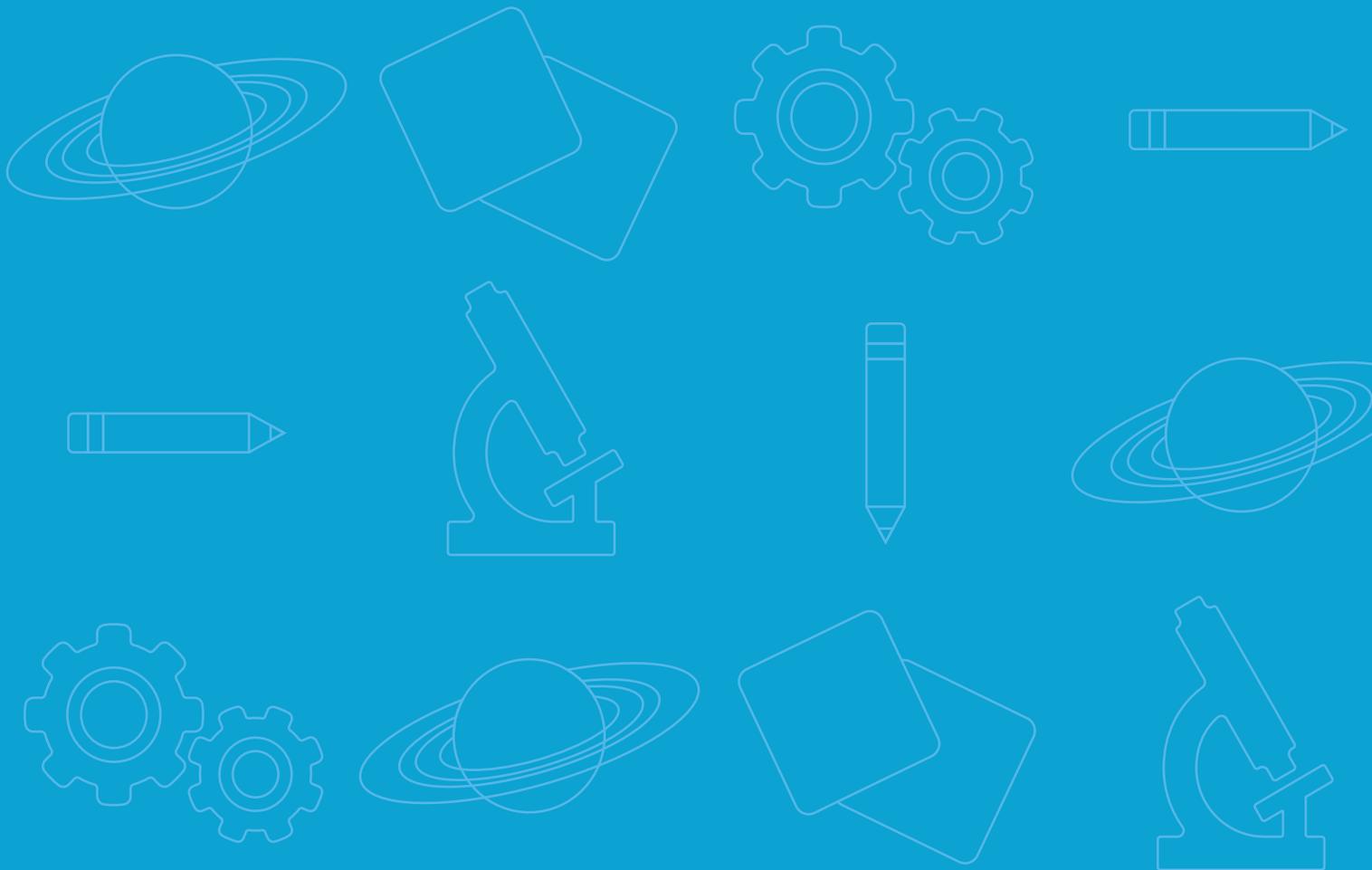
Teacher Check

\_\_\_\_\_

Initial

\_\_\_\_\_

Date



804 N. 2nd Ave. E.  
Rock Rapids, IA 51246-1759

800-622-3070  
www.aop.com

SCI0202 - Feb '17 Printing

ISBN 978-0-86717-712-1

