

SCIENCE

Student Book

► **2nd Grade**

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THE LIVING AND NONLIVING SCIENCE 201

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LIFEPAC Test |Pull-out

THE LIVING AND NONLIVING



God made all the **living** and **nonliving** things in our world. As you study this LIFE PAC[®], you will learn what is living and what is nonliving. You will learn about the world God has made. You will see that what God has made is good.



Objectives

Read these objectives. They will tell what you will be able to do when you have finished this LIFE PAC[®].

1. You will be able to show nonliving **objects** and tell why they are nonliving.

1. GOD MADE LIVING AND NONLIVING OBJECTS

The Bible is God's words written in a book. In the Bible, God tells us how our world began. God said that He made living and nonliving objects of our world.



Words to Study

blessed. Protected.

create (cre ate). To make something.

divide (di vide). To break into parts or pieces.

earth. The world (planet) we live on.

living (liv ing). To be alive.

multiply (mul ti ply). To make more of the same.

nonliving (non liv ing). Never alive.

object (ob ject). Something you can see or feel.

reptile (rep tile). A creeping or crawling animal.

separate (sep ar ate). To set apart from other parts.

Ask your teacher to say these words with you.



Teacher Check

_____ Initial

_____ Date



Print each word under the sense you would use to find out about the word. Some words fit under more than one sense.

bells	cupcake	roses	lemonade
rain	smoke	trees	velvet
cactus	horns	sun	wet socks

	Smell	Taste	See	Hear	Touch
--	-------	-------	-----	------	-------

1.1

_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Look around you. You can see things. You can hear noises. Can you smell anything? **Add words to the lists you just wrote of things that are near you right now.** Put at least three words under each sense.



Teacher Check _____
 Initial Date

Everyone Has Bones

People have **bones**. Bones are hard. You cannot see your bones, but you can feel them.

Bones cover some of the soft parts of your body to protect them. Your bones help you walk, stand, sit, and run.

Your body bends where your bones are joined together. The place where bones are joined together is called a **joint**.



| Bones



Do this activity to see where your body bends.

1.1

After you bend your body in each step, circle the places they bend on the picture of the bones.



Stand up. Bend down and touch your toes. Don't bend your knees!



Sit in a chair. Put your legs out straight. Slowly put them down.



Lora and Keith looked around the store. Lora saw some **collars** for cats and dogs. Some were small. Others were big.

They found name **tags** to put on a collar. On the tag, the name of the pet was written. The **owner's** name, **address**, and **phone** number were also put on the tag. If a pet got lost, the one who found the animal could find the owner.

Keith laughed at the toy mice. He knew that cats would like to play with the mice.

Lora laughed at the toy bones for dogs. She knew that dogs liked bones, even toy ones.



Think about the eye.

1.5

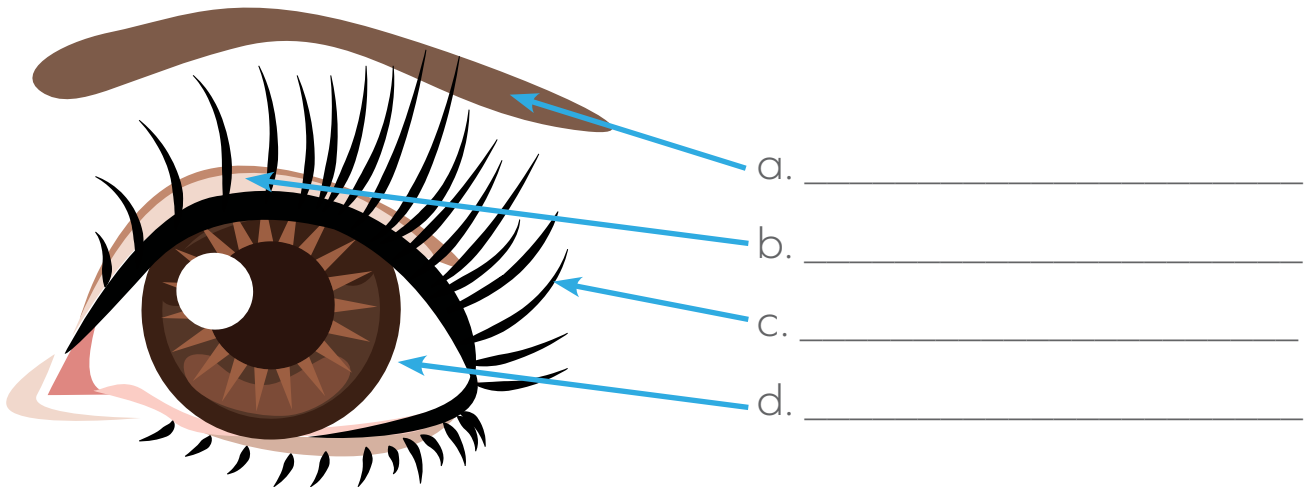
Draw a line from each eye part to what each part does.

- | | |
|-----------|--------------------------|
| eyelash ▶ | ◀ makes a wall |
| eyeball ▶ | ◀ opens and closes |
| eyebrow ▶ | ◀ keeps out dirty things |
| eyelid ▶ | ◀ does the seeing |

1.6

Look at the picture of the eye below, and write these words on the right lines.

eyelash eyebrow eyeball eyelid





Do this activity with colors.

These supplies are needed:

- tubes or pots of finger paint in the following colors: red, yellow, blue, black, and white
- at least 6 paper plates
- an old shirt or apron to protect your clothing
- paper towels to clean your fingers and hands

Follow these steps and answer the questions. Put a check (✓) in the box when you do each step.

1. Place small and equal amounts of the red and yellow finger paints on a paper plate.

2. Mix the paints together well with your fingers.

3. Clean your hands and fingers with the paper towel.

1.1 What color did you make? _____

4. Place small and equal amounts of the red and blue finger paints on a paper plate.

5. Mix the paints together well with your fingers.

6. Clean your hands and fingers with the paper towel.

1.2 What color did you make? _____

(continued on the following page)

SELF TEST 1

Each answer = 1 point

Write your answers in the blanks.

1.01 Three kinds of living things are _____ ,
_____, and _____ .

1.02 Living things need _____ , _____ ,
_____, and _____ .

1.03 The four seasons are _____ , _____ ,
_____, and _____ .

1.04 Plants and animals help people by _____

_____ .

Look at the pictures. Circle the picture if it came from a plant.
Put an X on the picture if it came from an animal.

1.05



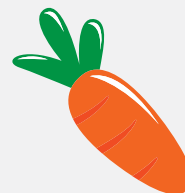
1.06



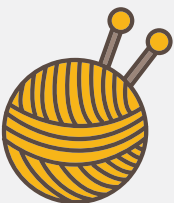
1.07



1.08



1.09



1.010

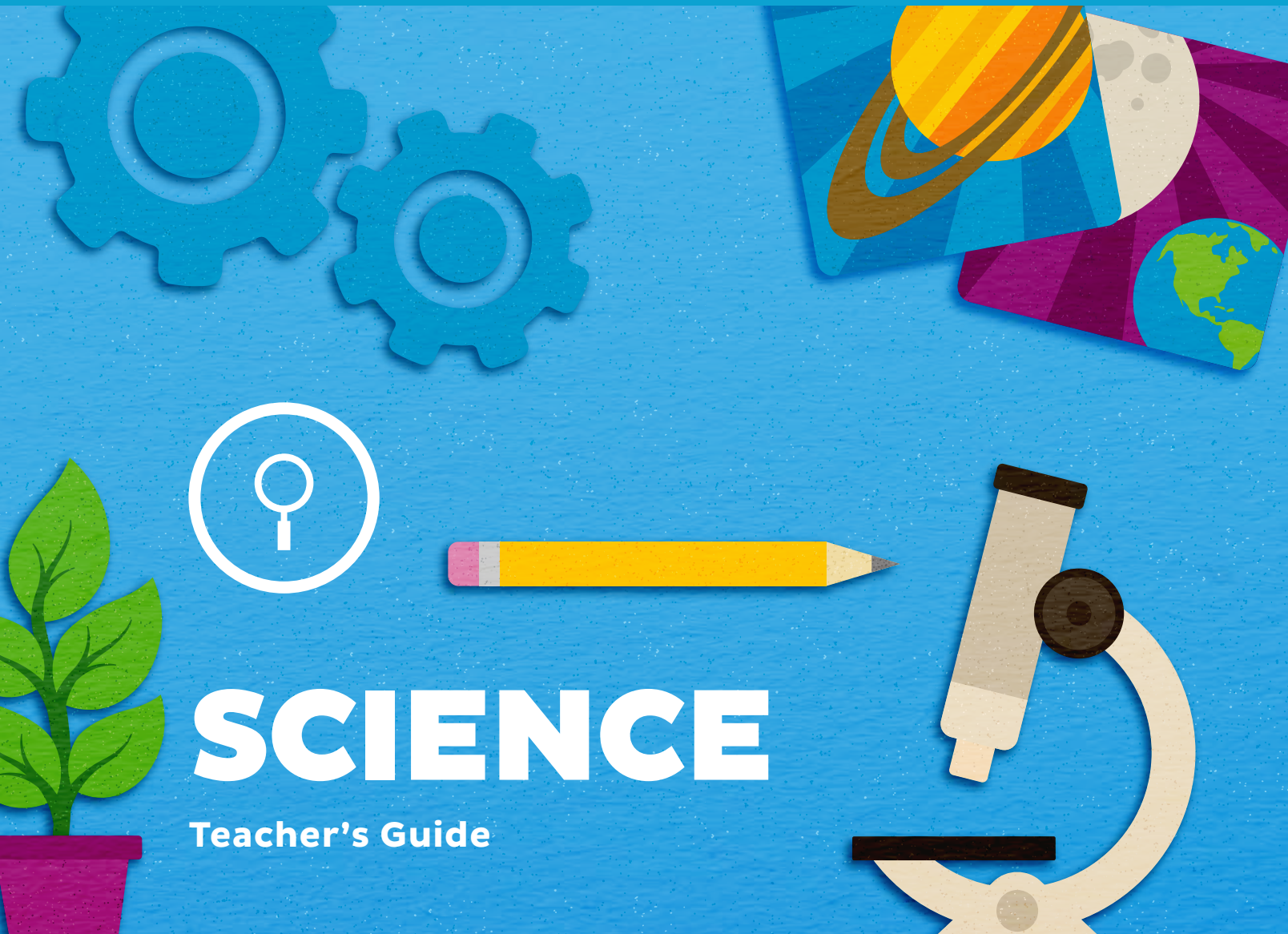


1.011



1.012





SCIENCE

Teacher's Guide

▶ **2nd Grade**

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SCIENCE 200

Teacher's Guide

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INSTRUCTIONS FOR SCIENCE

The LIFEPAC curriculum from grades two through twelve is structured so that the daily instructional material is written directly into the LIFEPACs. The student is encouraged to read and follow this instructional material in order to develop independent study habits. The teacher should introduce the LIFEPAC to the student, set a required completion schedule, complete teacher checks, be available for questions regarding both content and procedures, administer and grade tests, and develop additional learning activities as desired. Teachers working with several students may schedule their time so that students are assigned to a quiet work activity when it is necessary to spend instructional time with one particular student.

The Teacher Notes section of the Teacher's Guide lists the required or suggested materials for the LIFEPACs and provides additional learning activities for the students. The materials section refers only to LIFEPAC materials and does not include materials which may be needed for the additional activities. Additional learning activities provide a change from the daily school routine, encourage the student's interest in learning, and may be used as a reward for good study habits.

TEACHER NOTES

MATERIALS NEEDED FOR LIFE PAC

Required

- | | |
|--------------|---------------------|
| • bean seeds | • 1 rock, 2 cups |
| • paper cups | • 2 labels, 3 seeds |
| • soil | |

ADDITIONAL LEARNING ACTIVITIES

Section 1 - God Made Living and Nonliving Objects

1. What was the earth like after the first day?
2. What would you have seen on Earth after the second day?
3. Can you tell the differences between living and nonliving things?
4. How does the sun help you to know what season it is?
5. How are fish special for living in the water?
6. How was man different from the other animals?
7. Invite a Christian to speak to the students about the Creation of the world.
8. Have the students draw a mural on a large sheet of butcher paper depicting the sequence of Creation.
9. Have students make a collection of living and nonliving objects.
10. Make up games using the homes of living and nonliving insects on cards. Each player can correctly say the object is living or nonliving, he moves forward one space. If no special board is available, use any game board with a path on it. The cards can be made by these students with the whole class involved in playing the game.

Section 2 - Rock and Seed Experiment

This section is a special study and does not require further activities.

Section 3 - God-Made Objects and Man-Made Objects

1. Can you see anything that God made?
2. Can you see anything that man made?
3. What is the difference in the things God made and in the things that man made?
4. What does man use to make objects?
5. To help students to become aware of different materials, students can describe objects stressing the qualities of softness, hardness, shininess, dullness, pliability, and so forth.

ANSWER KEYS

SECTION 1

- 1.1** God
1.2 daytime
1.3 nighttime
1.4 Any order:
 a. day b. night
1.5 sky
1.6 Any order:
 a. dry land or earth
 b. sea or water
1.7 Any order:
 a. plants or grass
 b. trees
1.8 Answers will vary.
1.9 Teacher check
1.10 a. water b. air
 c. light d. food
1.11 they are not living
1.12 Answers will vary.
1.13 Teacher check
1.14 Any order:
 a. sun b. moon
1.15 to light the earth that night
1.16 the days
1.17 Any order:
 a. summer b. fall
 c. winter d. spring
1.18 Any order:
 a. sun b. moon
 c. stars
1.19 Any order:
 a. fish b. birds
1.20 Any order:
 a. air b. light
 c. water d. food
1.21 Any order:
 a. animals b. cattle
 c. reptiles d. man
1.22 man
1.23 He made fish and birds.
1.24 He made animals, cattle, reptiles, and man.
1.25 He rested.
1.26 Teacher check
1.27 c
1.28 b
1.29 g
1.30 f
1.31 e
1.32 d

SELF TEST 1

- 1.01-1.06** Any order:
1.01 a. day b. night
1.02 a. sky
1.03 a. earth b. sea
1.04 a. sun b. moon
 c. stars
1.05 a. fish b. birds
1.06 a. animals b. reptiles
 c. cattle d. man
1.07 to make something
1.08 the world we live on
1.09 set apart from other parts
1.010 heaven

1.011 Any order:
 a. air b. water
 c. food d. light
1.012 not alive
1.013-1.014 Any order:
1.013 a. sun b. moon
1.014 a. light b. food
 c. water d. air
1.015 God

SECTION 2

- 2.1 I planted my rock.
- 2.2 My rock is in the ground.
- 2.3 I watered my rock.
- 2.4 My rock is in the ground.
- 2.5 I watered my rock.
I put my rock in the sun.
- 2.6 My rock is in the ground.
- 2.7 I watered my rock.
I put plant food on my rock.
- 2.8 My rock is in the ground.
- 2.9 I watered my rock.
- 2.10 My rock is in the ground.
- 2.11 I planted my seeds.
- 2.12 My seeds are in the ground.
- 2.13 I watered my seeds.
- 2.14 My seeds are in the ground.
- 2.15 I watered my seeds.
I put my seeds in the sun.
- 2.16 My seeds are in the ground.
- 2.17 I watered my seeds.
I put plant food on my seeds.
- 2.18 My seeds are in the ground.
- 2.19 I watered my seeds.
- 2.20 A plant is growing.
- 2.21 sun
- 2.22 run
- 2.23 such
- 2.24 trust
- 2.25 dust
- 2.26 Teacher check

SELF TEST 2

- 2.01 plant (seed)
- 2.02 rock
- 2.03 Any order:
a. light b. water
c. air d. food
- 2.04 God
- 2.05 God
- 2.06 yes
- 2.07 no
- 2.08 yes
- 2.09 yes
- 2.010 no

SECTION 3

3.1-3.8 Answers will vary.

3.1 hill, beach, river, mountain

3.2 1. desk
2. picture
3. clock
4. pencil
5. paper

3.3 1. scissors
2. eraser
3. chalk
4. gloves
5. boots

3.4 a. lawn mower b. pan
c. spoon d. fork

3.5 wood, plastic

3.6 plastic, wood, metal

3.7 metal, glass

3.8 wood, metal, plastic

3.9 desk, tent, chest, shelf

SELF TEST 3

3.01 God

3.02 man

3.03 grow

3.04 wood, plastic

3.05 glass

3.06 metal, glass, plastic, wood

3.07 paper, plastic

3.08 plastic, metal, wood

3.09 - 3.016 Answers will vary.

3.017-3.020 Any order:

3.017 light

3.018 food

3.019 air

3.020 water

3.021 c

3.022 d

3.023 a

3.024 e

3.025 b

LIFEPAC TEST

1. nonliving
2. nonliving
3. nonliving
4. living
5. nonliving
6. living
7. living
8. nonliving
9. nonliving
10. nonliving
11. air
12. light
13. water
14. food
15. It does not grow.
16. man
17. moon
18. sea
19. star
20. sun
21. pen
22. car
23. desk
24. book
25. toy
26. metal
27. glass
28. wood, metal, or plastic
29. wood
30. plastic, metal, or wood

ALTERNATE LIFEPAC TEST

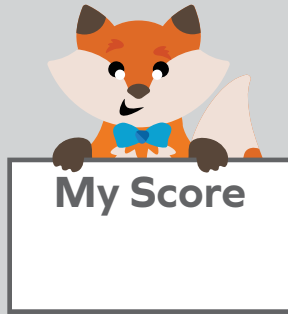
1. - 5. Examples; any order:
 1. desk
 2. pencil
 3. crayon
 4. paper
 5. book
6. - 10. Examples; any order:
 6. dog
 7. cat
 8. tomato plant
 9. tree
 10. boy
11. circle day
12. X on desk
13. circle sky
14. circle man
15. X on paper
16. circle tree
17. X on book
18. circle star
19. X on pen
20. X on chair
21. X on rug
22. circle night
23. circle sea
24. circle water
25. - 28. Any order:
 25. light
 26. water
 27. food
 28. air

SCIENCE 201

ALTERNATE LIFEPAC TEST

Name _____

Date _____



Each answer = 1 point

Write the names of five things that are nonliving.

1. _____
2. _____
3. _____
4. _____
5. _____

Write the names of five things that are living.

6. _____
7. _____
8. _____
9. _____
10. _____

Circle the things that God created. Put an X on things man has made.

11. day

12. desk

13. sky

14. man

15. paper

16. tree

17. book

18. star

19. pen

20. chair

21. rug

22. night

23. sea

24. water

Write the four things that living objects need to live.

25. _____

26. _____

27. _____

28. _____