
Posttest

Grade 2 • Science



Student Test Booklet

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GRADE 2

2

ELEMENTARY-LEVEL SCIENCE POSTTEST

WRITTEN POSTTEST

Student Name _____

School Name _____

Print your name and the name of your school on the lines above.
The test has two parts. Parts I and II are in this test booklet.

Part I contains 17 multiple-choice questions. Record your answers to these questions on the separate answer sheet. Use only a No. 2 pencil on your answer sheet.

Part II consists of 3 open-ended questions. Write your answers to Part II in this test booklet.

You will have as much time as you need to answer the questions.

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

DIRECTIONS

There are 17 questions on Part I of this test. Each question is followed by three or four answer choices, labeled A-D. Read each question carefully. Decide which choice is the best answer. On the separate answer sheet, mark your answer in the row of circles for each question by filling in the circle that has the same letter as the answer you have chosen. Use a No. 2 pencil to mark the answer sheet.

Read Sample Question S-1 below.

S-1 Frozen water is called

- A fog
- B ice
- C steam
- D vapor

The correct answer is **ice**, which is next to letter **B**. On your answer sheet, look at the box showing the row of answer circles for Sample Question **S-1**. See how the circle for letter **B** has been filled in.

Answer all 17 questions of Part I of this test. Fill in only one circle for each question. Be sure to erase completely any answer you want to change. You may not know the answers to some of the questions, but do the best you can on each one.

When you have finished Part I, go on to Part II. Answer all of the questions in Part II in the space for each question.

Part 1

- 1 Which is the best example of an inherited trait in a living thing?
 - A a plant's leaf shape
 - B a child's hair length
 - C a scrape from a fall
 - D a broken tree branch

- 2 Two forces that break down rock into soil over time are
 - A gravity and magnetism
 - B magnetism and electricity
 - C water and wind
 - D heat and electricity

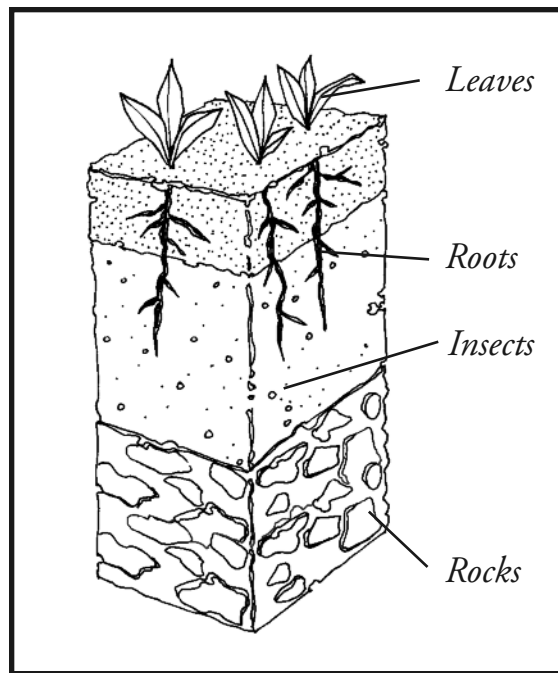
- 3 One function of a plant's roots is to
 - A produce fruit containing seeds
 - B use sunlight to make food
 - C store food for germination
 - D take in water and nutrients

- 4 A student observes that a rock is clear. What sense did he use to make this observation?
 - A sight
 - B sound
 - C smell
 - D touch

- 5 The amount of time that a plant is alive is called its
 - A life span
 - B life cycle
 - C reproduction
 - D germination

- 6 A student sets a ball on a hill. Which force causes the ball to roll down hill?
- A friction
 - B gravity
 - C magnetism
 - D electricity
- 7 Flowers are used during which part of the plant life cycle?
- A maturation
 - B germination
 - C reproduction
 - D death
- 8 Which two processes occur in all living things?
- A germinating and making food
 - B growing and breathing
 - C reproducing and germinating
 - D making food and breathing

9 The diagram below shows layers of soil.



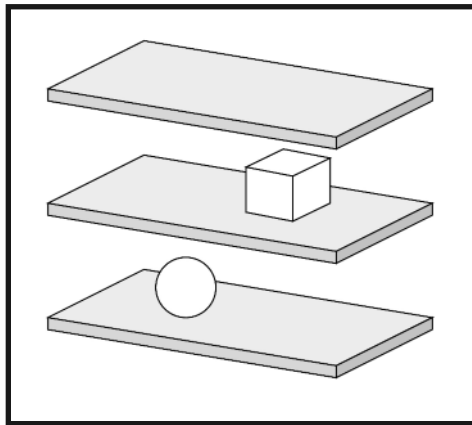
Which is a **nonliving** thing found in soil?

- A leaves
 - B roots
 - C insects
 - D rocks
- 10 Which property will change after an object has been placed in the freezer?
- A texture
 - B shape
 - C temperature
 - D hardness
- 11 A student collects some rocks. Which property of the rocks can be measured with a scale?
- A shape
 - B color
 - C length
 - D weight

12 What do all plants need in order to survive?

- A air, water, and light
- B shelter, food, and air
- C rocks, water, and soil
- D soil, light, and shelter

13 The diagram below shows two objects.

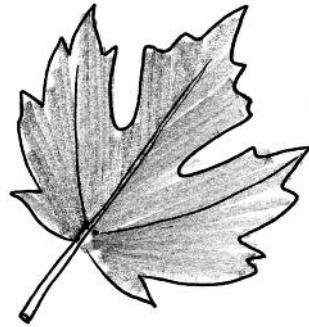


Which statement best describes the location of the objects?

- A The box is on top of the ball.
- B The box is next to the ball.
- C The ball is over the box.
- D The box is under the ball.

Note that question 14 has only three choices.

14 The diagram below shows a leaf from a maple tree.



The leaves of another maple tree

- A will look the same
- B will not look the same
- C may or may not look the same

15 A ball rests under a tree. Then a student kicks the ball to a friend.

What has changed?

- A its size
- B its mass
- C its position
- D its shape

16 Which sequence shows the life cycle of some plants?

- A mature plant — seed — death — young plant
- B young plant — mature plant — seed — death
- C seed — young plant — mature plant — death
- D seed — mature plant — young plant — death

17 Leaves changing color in the fall is an example of a tree

- A beginning to hibernate
- B responding to its environment
- C reproducing from seed
- D completing its life cycle

Part II

Directions (18-20): Record your answers in the space provided below each question.

Base your answers to questions 18 through 20 on the data table below and on your knowledge of science.

Rock	Property			
	A. Luster	B. Specific Gravity	C. _____	D. Texture
1	Metallic but dull	1.2	gray	rough
2	Metallic and shiny	2.3	black	smooth
3	Nonmetallic and pearly	2.6	white	smooth
4	Nonmetallic and dull	1.7	pink	rough

18 Which rock has the ***highest*** specific gravity? [1] Rock number: _____

19 Identify property C. [1] _____

20 The rocks can be sorted by their properties. Identify the property used to sort the rocks shown below. [1]

Group 1
2, 3

Group 2
1, 4

Property: _____

Answer Sheet

S-1 (A) ● (C) (D)

1. (A) (B) (C) (D)

2. (A) (B) (C) (D)

3. (A) (B) (C) (D)

4. (A) (B) (C) (D)

5. (A) (B) (C) (D)

6. (A) (B) (C) (D)

7. (A) (B) (C) (D)

8. (A) (B) (C) (D)

9. (A) (B) (C) (D)

10. (A) (B) (C) (D)

11. (A) (B) (C) (D)

12. (A) (B) (C) (D)

13. (A) (B) (C) (D)

14. (A) (B) (C) (D)

15. (A) (B) (C) (D)

16. (A) (B) (C) (D)

17. (A) (B) (C) (D)

**Grade 2 Elementary-Level Science Posttest
Core Curriculum Correlation and Answers**

Item	Standard	Answer
1	2/LE2.1a	A
2	2/PS2.1d	C
3	2/LE3.1b	D
4	2/PS3.1b	A
5	2/LE4.1c	A
6	2/PS5.1c, PS5.2a	B
7	2/LE4.1a, d	C
8	2/LE1.2a	B
9	2/LE1.1d	D
10	2/PS3.1g	C
11	2/PS3.1d, e	D
12	2/LE1.1b	A
13	2/PS5.1a	A
14	2/LE2.2a, b	A
15	2/PS5.1b	C
16	2/LE4.1b, d	C
17	2/LE5.2a	B
18	2/PS3.1c	3
19	2/PS3.1c	color
20	2/PS3.1f	texture