

FILE A — For Optional Classroom Use as a Practice Test

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Session 1A — Reading Practice Test

ENGLISH LANGUAGE ARTS: READING — SESSION 1A

This practice session has two reading selections, eight multiple-choice questions, and two constructed-response questions. Read each selection and answer the questions about it in the spaces provided in your practice test answer booklet.

Sea dragons have adapted to their world under the sea in some unusual ways. Read this article about how sea dragons survive and then answer the questions that follow.

Dragons Down Under

Linda Herman

Unfortunately, we are unable to reproduce the reading selection for the following five items, due to copyright restrictions. However, the selection can be found using the reference information below.

Excerpt from “Dragons Down Under” by Linda Herman
as it appeared in *Cricket*, July 2003.
Published by Carus Publishing Company.
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PLEASE GO ON →

Choose the best answer for each multiple-choice question and mark your answer choices for questions 1 through 4 in the spaces provided on page 2 of your practice test answer booklet.

- 1 Compared to leafy sea dragons, weedy sea dragons are
- A. plainer and more shy.
 - B. larger and more colorful.
 - C. smaller and less shy.
 - D. larger and less colorful.
- 2 In paragraph 6, the author compares the coloring of weedies to “a plant dappled by sunshine.” The word **dappled** means
- A. warmed.
 - B. shaded.
 - C. protected.
 - D. spotted.
- 3 The **main** purpose of paragraph 7 is to show how sea dragons
- A. hide from their predators.
 - B. catch their prey.
 - C. are like fairy tale dragons.
 - D. are like leafy plants.
- 4 Which phrase **best** describes how the information about weedy and leafy sea dragons is organized?
- A. problem and solution
 - B. chronological order
 - C. cause and effect
 - D. compare and contrast

Write your answer to constructed-response question 5 in the space provided on page 2 of your practice test answer booklet.

- 5 Explain how the unusual qualities of leafy and weedy sea dragons help them survive. Use information from the article to support your answer.

PLEASE GO ON ➔

This passage is an excerpt from Gary Paulsen's story about his experiences competing in the Iditarod, an annual Alaskan dogsled race. Read the passage and then answer the questions that follow.

Woodsong (Excerpt)

Gary Paulsen

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Excerpt from pages 75–77 of “Woodsong” by Gary Paulsen.

Published by Bradbury Press.

Copyright © 1990 by Gary Paulsen.

PLEASE GO ON ➡

Choose the best answer for each multiple-choice question and mark your answer choices for questions 6 through 9 in the spaces provided on page 3 of your practice test answer booklet.

- 6 The **main** purpose of the first paragraph is to
- A. introduce the narrator.
 - B. describe a relationship.
 - C. introduce a flashback.
 - D. describe the setting.
- 7 In paragraph 8, why does the author **most likely** put the word “examine” in quotations?
- A. to show that the narrator is tired of Storm’s game with the stick
 - B. to emphasize how important the stick is to the narrator
 - C. to indicate that the narrator is pretending to study the stick
 - D. to illustrate how much Storm enjoys playing with the stick
- 8 In the last paragraph, the narrator states that he was “gratified to see Storm pick up the stick.” What does **gratified** mean?
- A. annoyed
 - B. excited
 - C. surprised
 - D. pleased
- 9 Which statement **best** describes the narrator’s opinion of Storm?
- A. He respects Storm’s abilities as a sled dog.
 - B. He is amused by Storm’s behavior.
 - C. He is disappointed with Storm’s performance.
 - D. He believes Storm is difficult to control.

Write your answer to constructed-response question 10 in the space provided on page 3 of your practice test answer booklet.

- 10 Explain how the stick represents the relationship between Storm and the narrator. Use information from the passage to support your answer.



Session 1B — Reading Practice Test

ENGLISH LANGUAGE ARTS: READING — SESSION 1B

This practice session has one reading selection, eight multiple-choice questions, and one constructed-response question. Read the selection and answer the questions about it in the spaces provided in your practice test answer booklet.

This article is about Ida Lewis, a lighthouse keeper on the coast of Rhode Island during the 1800s. Read the article and then answer the questions that follow.

The Rescuer from Lime Rock

Stephen Currie

Unfortunately, we are unable to reproduce the reading selection for the following five items, due to copyright restrictions. However, the selection can be found using the reference information below.

Excerpt from “The Rescuer from Lime Rock” by Stephen Currie
as it appeared in *Cricket*, January 1998.
Published by Carus Publishing Company.
Copyright © 1997 by Carus Publishing Company.

PLEASE GO ON →

Choose the best answer for each multiple-choice question and mark your answer choices for questions 11 through 18 in the spaces provided on page 4 of your practice test answer booklet.

- 11 At the end of paragraph 3, why does the author **most likely** ask a question?
- A. to introduce a new topic
 - B. to capture the reader's interest
 - C. to summarize the information in the paragraph
 - D. to provide background information about the rescue

- 12 The author writes, "Then she braced her legs against the side of the boat and reached into the black, frigid water." The word **frigid** means
- A. deep.
 - B. rough.
 - C. cold.
 - D. dark.

PLEASE GO ON ➔

- 13 The description of the rescue in March of 1869 is significant because it shows the
- A. obstacles Ida had to overcome to perform a rescue at sea.
 - B. many jobs Ida performed as a lighthouse keeper in the 1800s.
 - C. reason lighthouses were kept open in stormy weather.
 - D. many ways that sea rescues have changed since 1869.

- 14 Based on the article, what was **most** surprising about Ida's rescue of the three farmers?
- A. Ida went back to rescue the sheep.
 - B. Ida pulled all three farmers into her boat.
 - C. The three farmers set out in a leaky boat.
 - D. The harbor had sheep swimming in it.

- 15 Based on paragraph 12, the rescue of 1881 was Ida's most courageous because she had to
- A. carry two men half a mile across the ice.
 - B. row 100 yards through icy waves to rescue two men.
 - C. run across thin ice to rescue two men.
 - D. pull two men into her boat in icy conditions.

- 16 In this article, examples of different rescues are **mainly** provided to show the
- A. dangerous conditions around Lime Rock.
 - B. many accomplishments of Ida.
 - C. nature of storms along the coast of Rhode Island.
 - D. careless actions of accident victims.

- 17 The main purpose of the last paragraph is to show that Ida was
- A. humble about her accomplishments.
 - B. proud of the rescues she performed.
 - C. interested in being a role model for other women.
 - D. determined to prove she was unusually brave.

- 18 What is another appropriate title for this article?
- A. "Rhode Island Rescues"
 - B. "The Lighthouse at Lime Rock"
 - C. "An Unlikely Hero"
 - D. "Dangerous Storms of the 1800s"

Write your answer to constructed-response question 19 in the space provided on page 4 of your practice test answer booklet.

- 19 Describe **two** qualities that made Ida a successful lighthouse keeper. Use information from the article to support your answer.



Session 2A — Mathematics
(Calculator Not Allowed) Practice Test

MATHEMATICS (CALCULATOR NOT ALLOWED) — SESSION 2A

This practice session has three multiple-choice questions and one constructed-response question.

Choose the best answer for each multiple-choice question. Fill in the bubble next to your answer choices for questions 1 through 3 in the spaces provided on page 5 of your practice test answer booklet.

- 1 The ratio of hamburger to sausage in Mama's meatballs is 5 pounds to 3 pounds. How many pounds of hamburger are in 20 pounds of Mama's meatballs?
- A. 7.5 pounds
 - B. 12 pounds
 - C. 12.5 pounds
 - D. 32 pounds
- 2 A \$1 bill is about 6 inches long. Which is the best estimate of the number of dollar bills needed to make a trail 1 mile long if the bills are lined up end to end with no spaces between them?
- A. 1,000
 - B. 10,000
 - C. 15,000
 - D. 300,000
- 3 The attendance at Tuesday's soccer game was 150% of what it was on Monday. There were 75 people in attendance on Tuesday. How many people attended on Monday?
- A. 225
 - B. 112
 - C. 50
 - D. 20

Write your answer to short-answer question 4 in the box provided on page 5 of your practice test answer booklet. Be sure to answer and label all parts (a, b, and c) of the question.

- 4 In a survey, students were asked if they preferred apples or oranges. 60% of the students preferred apples.
- a. What percent of the students preferred oranges?
 - b. What is the ratio of students who preferred apples to those who preferred oranges?
 - c. If 90 students preferred apples, how many students responded to the survey? Show your work or explain how you found your answer.



**Session 2B — Mathematics
(Calculator Allowed) Practice Test**

MATHEMATICS (CALCULATOR ALLOWED) — SESSION 2B

This practice session has thirteen multiple-choice questions, two short-answer questions, and one constructed-response question.

Choose the best answer for each multiple-choice question. Fill in the bubble next to your answer choices for questions 5 through 17 in the spaces provided on page 6 of your practice test answer booklet.

- 5 A game at a school fair requires a player to pick, without looking, a colored rubber frog from a bag. The bag contains the following:

- 4 blue frogs
- 4 yellow frogs
- 6 purple frogs
- 2 red frogs

What is the probability that, without looking, a player will pick a **red** frog on the first try?

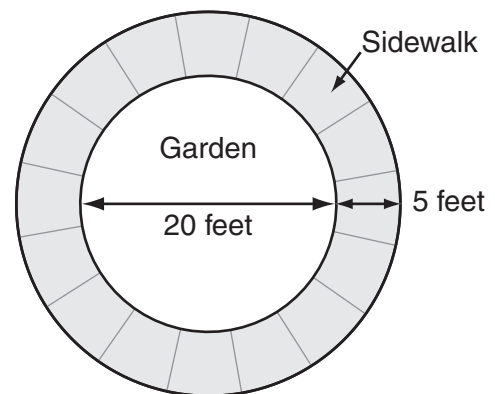
- A. $\frac{1}{8}$
- B. $\frac{1}{7}$
- C. $\frac{1}{4}$
- D. $\frac{1}{2}$

- 6 Which point is a solution of the equation below?

$$y = 3x - 2$$

- A. (4,14)
- B. (-1,1)
- C. (0,-2)
- D. (2,0)

- 7 In a park, a sidewalk is built around the edge of a circular garden as shown below.

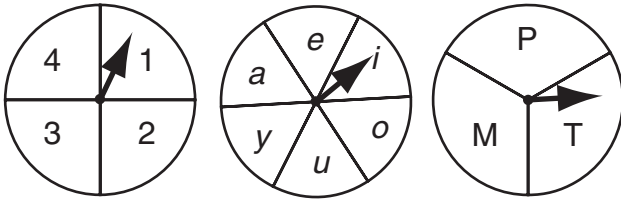


The sidewalk is 5 feet wide, and the garden measures 20 feet across. Which measurement is **closest** to the circumference of the outer edge of the sidewalk?

- A. 30 feet
- B. 75 feet
- C. 90 feet
- D. 700 feet

PLEASE GO ON →

- 8 Mara has the three spinners shown below.



Mara spins each spinner once to make a code consisting of 1 number and 2 letters. Using these spinners, how many different codes are possible?

- A. 13
B. 27
C. 36
D. 72
- 9 Kim is decorating lockers for her soccer team. She bought 3 packages of ribbon. Each package contains 3 yards of ribbon. Each locker decoration requires $1\frac{1}{2}$ feet of ribbon. How many lockers can she decorate with the packages of ribbon she bought?
- A. 27
B. 18
C. 13
D. 6

- 10 The exchange rate one day was

$$\$0.82 \text{ U.S.} = \$1.00 \text{ Canadian.}$$

That day, Sheila exchanged \$25 U.S. for Canadian dollars. To the nearest cent, how much Canadian money did Sheila receive?

- A. \$20.50
B. \$25.82
C. \$26.82
D. \$30.49
- 11 The list below shows the colors students chose as their favorite.

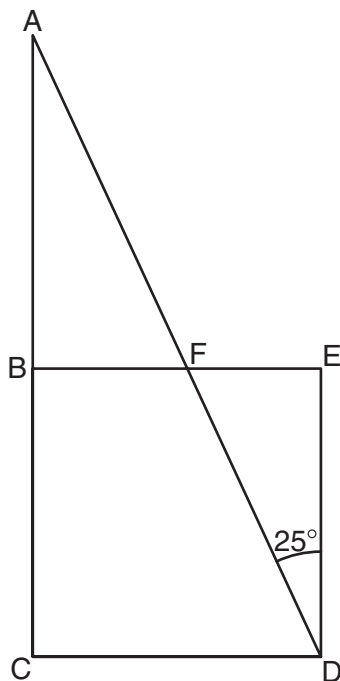
red green red green
blue blue green white
red red blue

Which type of graph could **not** be used to represent these data?

- A. bar graph
B. circle graph
C. pictograph
D. stem-and-leaf plot

PLEASE GO ON →

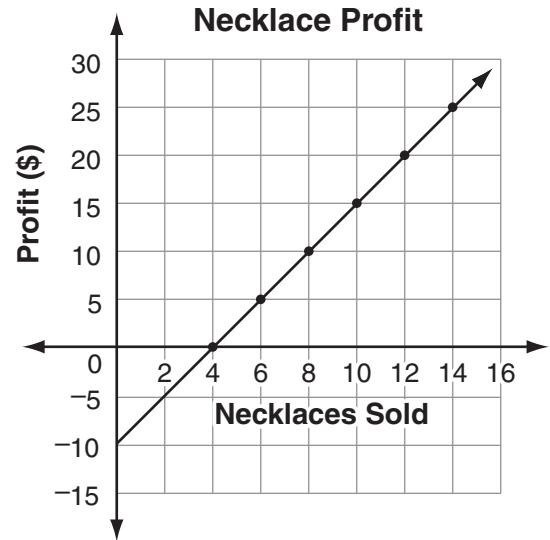
- 12 In the figure below, BCDE is a square.



What is the measure of angle A?

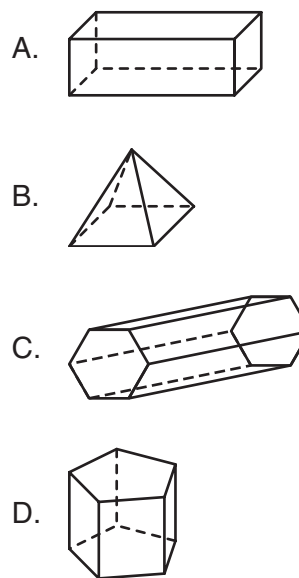
- A. 25°
 - B. 35°
 - C. 45°
 - D. 65°
- 13 Sam ran around a 400-meter track 10 times. How many kilometers did she run?
- A. 0.4 km
 - B. 4 km
 - C. 40 km
 - D. 4000 km

- 14 The graph below shows the amount of profit Julianne earns selling necklaces.



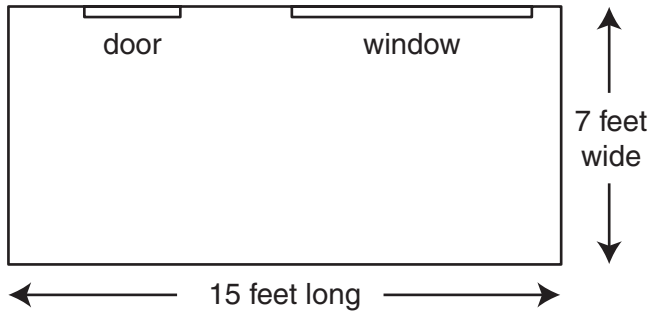
Once she has sold at least four necklaces, what amount of profit, in dollars, does Julianne earn for each additional necklace she sells?

- A. \$1.00
 - B. \$2.50
 - C. \$4.00
 - D. \$5.00
- 15 Which figure below is **not** a prism?



PLEASE GO ON →

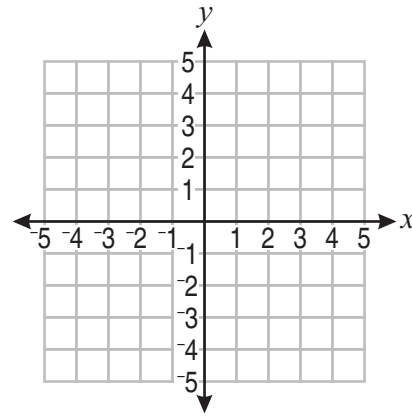
- 16 Brad created the design for a porch as shown below.



Brad decided to change the design by making the width of the porch twice as large as it was in the first design. Which statement is true about the new design?

- A. It increases the perimeter of the porch by 7 feet.
- B. It increases the area of the porch by 7 square feet.
- C. It doubles the perimeter of the porch.
- D. It doubles the area of the porch.

Use the coordinate plane below to answer question 17.



- 17 The coordinates of point A are $(4, -2)$. Which of the following are the coordinates of a point that is located on the same horizontal line as point A?
- A. $(-2, 4)$
 - B. $(4, 2)$
 - C. $(-4, -2)$
 - D. $(2, -4)$

Write your answers to short-answer questions 18 and 19 in the boxes provided on page 6 of your practice test answer booklet.

- 18 Don has

- 3 pairs of pants,
- 2 hats, and
- ? shirts.

An outfit consists of 1 pair of pants, 1 shirt, and 1 hat. How many shirts does Don need so that the total number of outfits possible is 30? Show your work or explain how you found your answer.

PLEASE GO ON ➡

- 19 A caterer uses the following equation to determine the cost, c , of an event when p people attend.

$$c = 300 + 12.50p$$

The cost of a wedding was \$3112.50. How many people attended? Show your work or explain how you found your answer.

Write your answer to constructed-response question 20 in the space provided on page 6 of your practice test answer booklet. Be sure to answer and label all parts (a, b, and c) of the question.

- 20 A group of students is biking from Houlton to Presque Isle. The trip is 45 miles.
- How long will the trip take if the riders average 10 miles per hour? Show your work or explain how you found your answer.
 - If the average speed of the riders increases, does the time it takes to complete the trip increase, decrease, or remain the same?
 - If the riders average 10 miles an hour for the first two hours and 12 miles an hour for the rest of the trip, how long will it take for the entire ride? Show your work or explain how you found your answer.



**Session 3A — Science and
Technology Practice Test**

SCIENCE AND TECHNOLOGY — SESSION 3A

This practice session has sixteen multiple-choice questions and three constructed-response questions.

Choose the best answer for each multiple-choice question. Fill in the bubble next to your answer choices for questions 1 through 16 in the spaces provided on page 7 of your practice test answer booklet.

1 Which example shows a behavioral adaptation?

- A. a bear hibernating
- B. a turtle laying eggs
- C. a porcupine's quills
- D. a bird's hollow bones

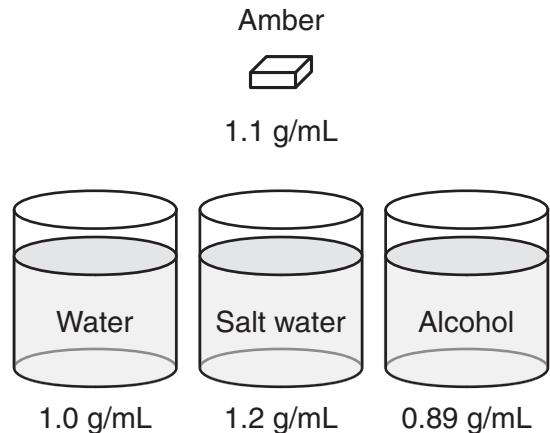
Use the picture below to answer question 2.



2 As the ice cube melts, what happens to the water particles?

- A. They speed up.
- B. They slow down.
- C. They increase in size.
- D. Their motion and size stay the same.

Use the pictures below to answer question 3.



3 What will the piece of amber **most likely** do when placed in each liquid?

- A. It will sink in all three liquids.
- B. It will float in all three liquids.
- C. It will sink in water and alcohol and float in salt water.
- D. It will sink in water and float in alcohol and salt water.

4 Which energy source was developed through the invention of the atomic bomb?

- A. nuclear
- B. solar
- C. geothermal
- D. hydropower

PLEASE GO ON ➔

5 Jill assembles a closed terrarium that contains moist soil, rocks, green plants, and two grasshoppers. After observing the terrarium for two months, she draws the following conclusion: The terrarium doesn't have enough consumers. Which supporting data **most likely** gave Jill enough evidence for her conclusion?

- A. The producer population decreased.
- B. The producer population increased.
- C. The consumer population decreased.
- D. The decomposer population increased.

6 The best evidence that the continents were once connected is that they have matching

- A. weather, fossils, and rock types.
- B. rock types, fossils, and coastlines.
- C. coastlines, weather, and rock types.
- D. coastlines, weather, and fossils.

7 Which process would stop if there were no carbon dioxide in the air?

- A. water condensation
- B. evaporation
- C. photosynthesis
- D. cellular respiration

8 Cheng wants to know which brand of paper towel absorbs more water, Brand X or Brand Y. He uses identical squares of each brand and measures how much water is absorbed from identical cups of water after 30 seconds of submersion. His data from five trials are shown below.

Water Absorption

Paper Towel Brand	Amount of Water (mL) Absorbed (5 trials)
Brand X	30, 31, 32, 34, 34
Brand Y	40, 43, 44, 45, 45

Which of the following is the **best** conclusion?

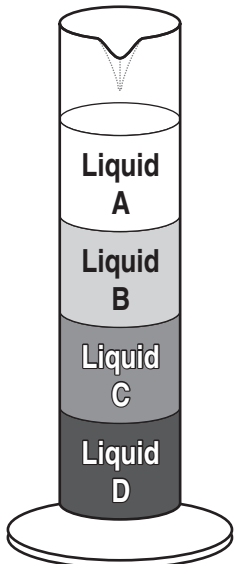
- A. Brand X absorbs water better than Brand Y.
- B. Brand X absorbs about the same amount of water as Brand Y.
- C. Brand X absorbs less water than Brand Y.
- D. The data do not provide enough information to know.

9 Lou Gehrig's disease disrupts the function of motor neurons (nerve cells) that control the movement of limbs and other body parts. Which body system is **most likely** to be directly affected by this disease?

- A. the endocrine system
- B. the digestive system
- C. the circulatory system
- D. the muscular system

PLEASE GO ON ➔

Use the diagram and table below to answer question 10.



Density of Liquids

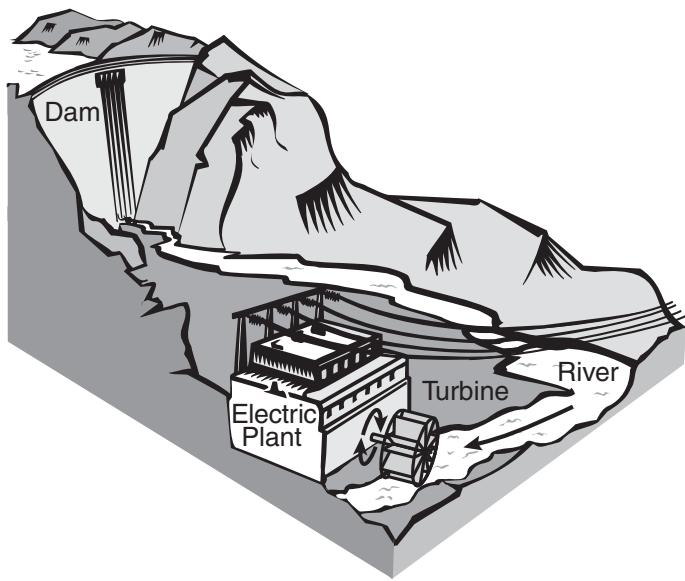
Liquid	Density (g/mL)
A	0.97
B	1.09
C	?
D	1.23

- 10 What is the approximate density of Liquid C?
- A. less than 0.97 g/mL
 - B. greater than 1.23 g/mL
 - C. greater than 0.97 g/mL but less than 1.09 g/mL
 - D. greater than 1.09 g/mL but less than 1.23 g/mL
- 11 Which factor produces a short-term effect on Earth?
- A. glaciation
 - B. a tornado
 - C. a filled wetland
 - D. global warming

- 12 Jamie noticed an increase in the number of swallows on her property. Which statement would **not** be a reasonable explanation for this increase?
- A. A nearby wooded nesting site has been clear-cut.
 - B. A nearby farmer put birdhouses on many of his fence posts.
 - C. Jamie recently had her white house painted red.
 - D. A neighbor built a small pond, increasing the number of insects.
- 13 After more than 30 years, the spacecraft *Pioneer 10* continues to travel through space, beyond the solar system. Which statement explains why this spacecraft continues to move?
- A. *Pioneer 10* is in motion and will stay in motion.
 - B. *Pioneer 10* carries excess fuel to allow more motion.
 - C. NASA astronauts are steering *Pioneer 10*.
 - D. NASA has refueling missions to *Pioneer 10*.

PLEASE GO ON ➔

Use the picture below to answer question 14.



- 14 As a river flows past a turbine in a hydroelectric power plant, the potential energy of the water behind the dam changes to
- A. chemical energy.
 - B. mechanical energy.
 - C. nuclear energy.
 - D. radiant energy.

- 15 A student made this hypothesis.

If most plants did not carry out photosynthesis, then many organisms would die.

Which statement **best** supports this hypothesis?

- A. The environment has a limited water supply.
 - B. The environment has a limited mineral supply.
 - C. The environment has a limited oxygen supply.
 - D. The environment has a limited carbon dioxide supply.
- 16 The dwarf planet Pluto takes much longer to revolve around the Sun than do other planets. This is because Pluto
- A. is farther from the Sun than other planets.
 - B. is smaller than other planets.
 - C. has fewer satellites than other planets.
 - D. has a very slow rotation as compared to other planets.

PLEASE GO ON ➡

Write your answers to constructed-response questions 17 through 19 in the boxes provided on pages 7 and 8 of your practice test answer booklet.

- 17 Fossils of an animal that only survives in a tropical swamp are found in an arid (dry) section of northern Canada.

Describe **three** changes that have occurred since the fossils were living organisms. Be sure to consider possible changes in life-forms, climate, environment, and geologic features.

Use the graphic to the right to answer question 18.

- 18 Joe is testing the effect of acid rain on garden plants. He watered a bean plant and a tomato plant with acidic water. The plants were placed in rooms as shown.

Describe **three** ways Joe can improve his experiment.



- 19 Several body systems must work together so that your body can use food for energy and building material. Choose **three** body systems from the list below and describe how those three body systems work together when you bite into a cracker to change the cracker into a form that can be used by your body's cells.

- digestive
- circulatory
- endocrine
- excretory
- muscular
- nervous
- respiratory



Session 4A — Writing Practice Test

ENGLISH LANGUAGE ARTS: WRITING — SESSION 4A

In this practice session you will write a persuasive/argumentative response to the prompt on the next page.

Use the guidelines below to help you write.

Writing Guidelines

Idea/Topic Development (Stylistic and Rhetorical Aspects of Writing)

The degree to which the persuasive/argumentative response

- addresses the prompt,
- identifies a clear position,
- develops a logical and coherent argument,
- makes connections between and among supporting evidence,
- acknowledges or refutes an opposing position,
- is focused,
- is clearly and logically sequenced,
- uses language that is convincing,
- uses a variety of transitional devices, and
- includes a variety of sentence structures and lengths.

Correct use of English (Standard English Conventions)

As you produce your final draft, check for correct

- sentence structure,
- grammar and word usage, and
- capitalization, punctuation, and spelling.

You are encouraged to use paper supplied by your teacher to plan your response in a way that is helpful to you. If you write a rough draft, be sure to leave enough time to write the final draft in your practice test answer booklet. You **MUST** fit your response in the space provided on pages 9 through 12 of your practice test answer booklet.

Before you begin to write, please read the information and prompt on the next page carefully.

PLEASE GO ON ➔

Write a persuasive/argumentative essay in which you argue for or against the following idea. Your essay should include

- evidence that supports your argument,
- acknowledgment of a potential opposing view, and
- some of the facts in the table below to help support your argument. Use these facts as you write the essay in your own words.

REMINDER: A well-developed essay must include your argument supported by facts from the list below. You may also include evidence based on your own experience.

WRITING PROMPT

Rather than maintaining separate teams for boys' and girls' sports, a high school is considering combining teams and having a completely coed sports program.

Reasons in support of coed teams	Reasons against coed teams
<p>Thirty years ago only 12% of high school athletes were girls. Today 41.5% of high school athletes are girls. Many more girls are now participating in sports. American Association of University Women</p>	<p>In general, coaches don't understand differences in coaching girls. This is frustrating for players and coaches. One difference is <i>communication</i>. 11.4% of girls and 6.1% of boys say their coach's ability to communicate with them affects how much they enjoy being on a team. Dr. Craig Stewart Department of Health & Human Development Montana State University</p>
<p>Before adolescence, boys and girls are practically equal in height, weight, strength, and endurance. Sally S. Harris, M.D. MHP Palo Alto Medical Foundation</p>	<p>Winning is not as important to girls as giving every player a chance to play. Boys are more likely to want to "win at any cost." 42% of boys and 18% of girls get very upset when their teams lose. Mary Healy Jonas "Do Boys and Girls View Competition in Different Ways?"</p>
<p>The law says it is unjust and unfair to assume that girls cannot be included on boys' teams because they are not as strong or athletic as boys. Title IX of the Education Amendments of 1972</p>	<p>At adolescence, around the age of 11 or 12, boys develop more muscle mass per unit volume of body mass than do girls. Women's Sports Foundation</p>
<p>Coed sports teams would save money and resources. In 2005, teams at Essex High School in Vermont made 260 trips for athletic events. The school spent \$8,000 more than the \$60,000 budgeted to cover travel for varsity and freshman teams. Burlington Free Press</p>	<p>A report on high school athletics in Massachusetts found that there is a problem with harassment of girls who play on boys' teams. Harvard School of Public Health (HPRC)</p>
<p>It is already true that girls and boys are playing together on teams. Girls play on football teams with boys at high schools in Texas where there are not enough boys to fill positions. Associated Press Sports</p>	<p>Civil rights lawsuits guarantee girls equal opportunities in high school sports, and today there are teams for girls in many different sports. The Philadelphia Inquirer</p>



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