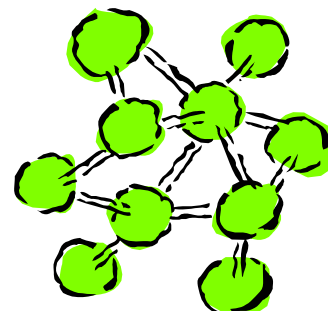
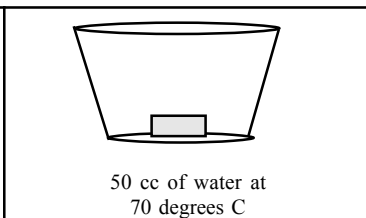
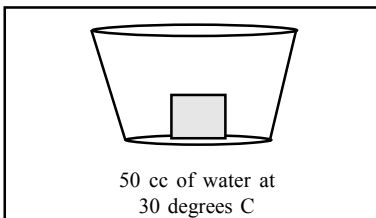
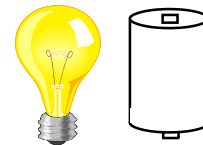
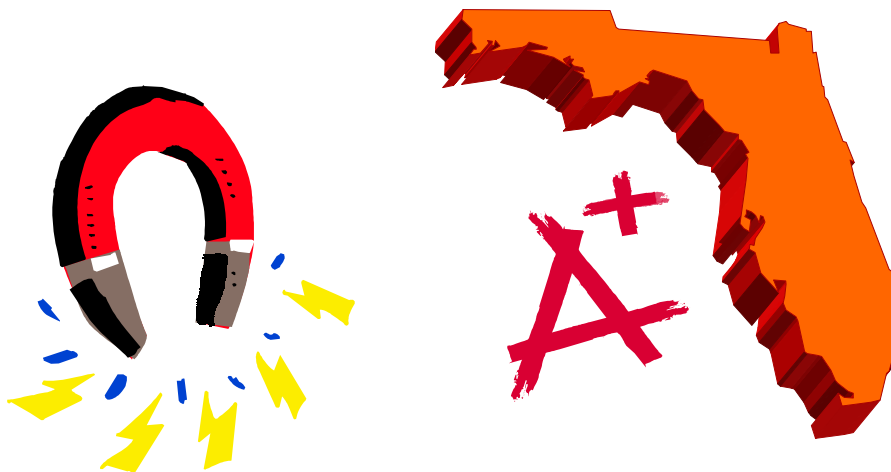
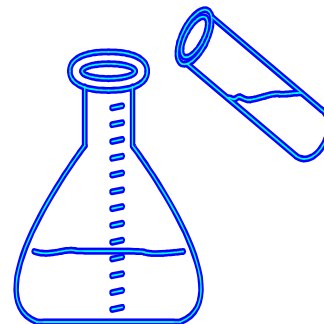
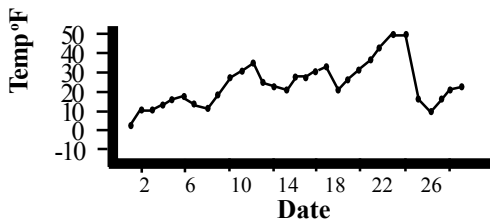


Student's Name \_\_\_\_\_

# Successful Test Taking<sup>®</sup>

# SCIENCE 5



**LEADERSHIP RESOURCES<sup>®</sup>**

2004 Edition

# Dear Educator:

This sample represents only a portion of the **LEADERSHIP RESOURCES®** Successful Test Taking® Science 5 FCAT book (2004 Edition).

The actual book is 40 pages with 66 science questions:  
49 multiple-choice, 13 short-response, and 4 extended-response.  
The actual book is printed on newsprint, is consumable, and is sold in a set of 25 books for \$54.00.

Also included in this sample is page 1 of the teacher's guide.  
The teacher's guide identifies the specific benchmark(s) each question assesses.

**LEADERSHIP RESOURCES®** publishes FCAT preparation books for:  
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# Successful Test Taking<sup>®</sup>

## Science 5

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# Successful Test Taking<sup>®</sup>

## Preface

This test taking book has been developed to help you take a science test, as well as review strategies you already use in science.

A good test:

- A. confirms what you already know,
- B. helps you to see where you can use what you know,
- C. shows you new ideas while taking the test.

Please note that this book was made to help you learn how to prepare for and take tests. This book is **not**, however, a complete model of the FCAT. This book was developed to provide you with items that you might see on the science assessment you will take later this school year. You will find that some items will really challenge your thinking skills while others will be fairly easy.

Test taking is complicated. By studying tests and how they are written, you can become a better test taker. The reading, writing, and science strategies you use in the classroom and in daily life can be used here as well.

As you use this book, try to do your best work. Doing your best work is a mirror of your ability and effort.

Don't forget:

## Use Your Common Sense

# Test Taking Tips

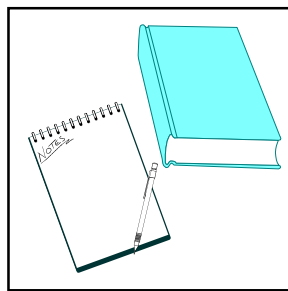
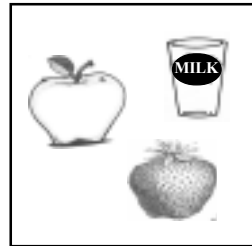
Here are some helpful hints.

## I. Before coming to school on the test days:

- A. **Get some rest.** It's not very smart to try to do your best work when you are tired.



- B. **Eat something** in advance, such as cereal, toast, or fruit, and have some milk or fruit juice. You already know that a decent breakfast will give you the energy you need to do well in school.



- C. **Come prepared.** You may be provided with a pencil that has an eraser, but bring one anyway. Also, bring a book or magazine to entertain yourself if you finish the test early.

- D. **Arrive on time.** Tests take energy. Don't spend all your energy rushing to get to school on time. Allow yourself plenty of time to get to school on the test days.

## II. When you get to school on the test days:

- A. Find a comfortable place to work. This may mean not sitting next to your friends. Remember, your goal is to do your best on the test. Sit where you can concentrate and do well.
- B. Follow along when the teacher gives the test directions. Ask your teacher to explain the directions if you do not understand them.
- C. Some tests are confusing. You may know the answer, but you must correctly fill in the bubble or write your answer on the blank lines to get credit for your answer.
- D. Unless your teacher tells you otherwise, **mark in the test book**. Most test books will not be used again, so mark away! Do any work you need to right on the test book pages.
- E. Don't waste all of your time on one item. It is OK to skip an item and return to it later. Make finding the item you skipped easy for yourself by putting a large \* next to it or by circling the number of the item in the test book.
- F. If you come across an item that just seems impossible, skip it and move on. But don't give up on the whole test altogether. Some test writers put in very hard items at first. Don't let them defeat you when they do this. Keep going!
- G. For multiple-choice questions, mark the **BEST** answer. If you are not sure of an answer, go ahead and guess wisely. But don't just mark any answer. You probably already know that at least one of the answers is incorrect. Mark out all incorrect answers even if you can't completely figure out the correct answer. This will make guessing wisely easier.
- H. For short-and-extended-response items, clearly explain your thinking and show all your work.
- I. Do your own work. Copying is not right. Besides, when you copy, you run the risk of miscopying; and the person you copy from may be wrong.
- J. Review your multiple-choice answers when you are finished to be sure you chose the **BEST** answer. Reread your answers to short- and extended-response items to make sure they are clear and complete.
- K. Most tests are too long, and you will get tired. Keep at it, even if you need to stretch your back and arms. It may help to look at the ceiling or out a window from time to time.
- L. **Smile**. Tests are important, but they aren't the end of the world. Remain calm. Do the best you can.

# Successful Test Taking Strategies for Answering Multiple-Choice Questions in Science

1. Read each question and any other text carefully. Try to get a “feel” for what the answer might be while you are reading the question.
2. Ask and answer, "What do I know?" "What am I being asked to do?"
3. There will be four answer choices for each multiple-choice question in this book. Look at each choice. Mark out all incorrect answer choices.
4. If you really don't know the answer, try using each answer choice that is given with the question. “Plugging-in” each given answer choice may help you find the best answer.
5. Then, mark the **BEST** answer right in this book by filling in the circle (bubble) to the left of the answer you chose. Completely fill in only one bubble. A correct answer is worth one point.

# Successful Test Taking Strategies for Answering "Read, Inquire, Explain" Questions

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Read, Inquire, Explain questions (also called "performance tasks") require you to think about a question, and then either write an answer or perform some task. These questions require you to explain why you chose the answer you did, show how you arrived at your answer, or draw a diagram to explain your thinking.

There are two kinds of "Read, Inquire, Explain" questions. One kind (called "short-response") has you write a short answer. You will use about 5 minutes to answer short-response questions. A complete answer is worth 2 points.

The other kind of "Read, Inquire, Explain" question (called "extended-response") is more challenging and requires a longer answer, such as writing a detailed explanation or solving a multi-step question. You might use about 10 minutes to answer extended-response questions. A complete answer is worth 4 points.

1. **READ:** Read the question, chart, or graph and any directions carefully. Ask yourself, "What do I know?" "What is the question asking me to do?"
2. **INQUIRE:** Use the strategies you know best to help you solve the question:
  - Brainstorm for ideas and strategies by recalling what you already know.
  - Use all the information given in the question. Decide what is important and what is not.
  - Use an idea map/graphic organizer to put your ideas in a logical order.

**NOTE** - Two common types of questions require you to write.

They are: **a) why** questions and **b) list** questions:

**a) Why** questions: When a question asks *why*, the writer must include reasons. Restate the question and add reasons: state what happens, use the words because or since, and then add the reasons.

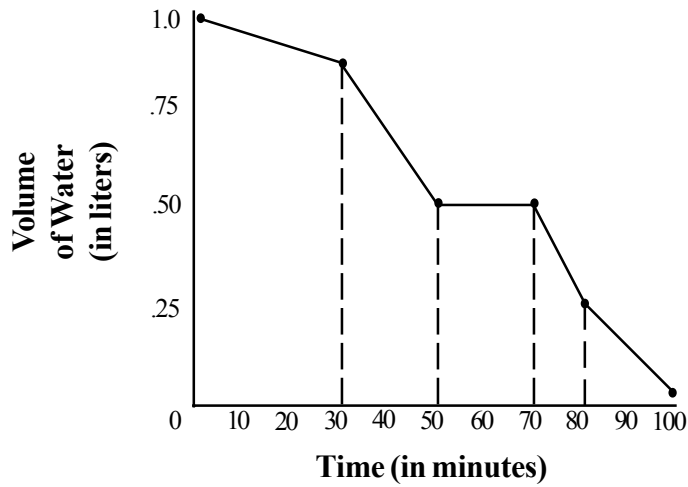
**b) List** questions: When the question asks for a *list*, make sure you include one.

3. **EXPLAIN:** Remember, someone will be reading your answers. Clearly and completely explain your thinking so that the person who reads your answer understands your thinking.
4. Check your work to make sure you have answered each part of the question and have given all the information asked for by the question. Read what you have written to revise and edit.

24

The graph below shows the results from a science investigation.

READ  
INQUIRE  
EXPLAIN



Look at these four questions:

1. At what temperature does water most quickly evaporate?
2. How does time affect evaporation?
3. When water evaporates, do its molecules move further apart?
4. How much energy is needed to evaporate water?

The graph provides the answer to which question? Explain your thinking.

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Use the information below to answer questions 37 through 39.

Planet	Diameter (km)	Rotation in Earth Days	Average Distance from Sun (km)	Length of Revolution in Earth Years	Number of Moons
Mercury	4,878	59	58,000,000	0.24	0
Venus	12,104	243	108,000,000	0.62	0
Earth	12,756	1	150,000,000	1.00	1
Mars	6,794	1.03	228,000,000	1.90	2

**37** Which planet is closest in size to Earth?

- Ⓕ Venus
- Ⓖ Mars
- Ⓗ Jupiter
- Ⓘ Mercury

**38** Which planet has the longest period of day and night?

- Ⓐ Mercury
- Ⓑ Venus
- Ⓒ Earth
- Ⓓ Mars

**39** Why is Mercury's revolution the shortest?

- Ⓕ It is one of the smallest planets.
- Ⓖ It is closest to the sun.
- Ⓗ It does not have moons.
- Ⓘ It is the hottest planet.



- 49 Which system of the human body takes fresh blood and oxygen to the rest of the body?
- (A) circulatory
  - (B) nervous
  - (C) muscular
  - (D) respiratory
- 50 Ellen melted some no-fat butter in a bowl in the microwave to put on her popcorn. What form of energy made the butter melt?
- (F) light
  - (G) chemical
  - (H) sound
  - (I) thermal
- 51 Which of the following would NOT stop the flow of electricity?
- (A) rubber
  - (B) plastic
  - (C) water
  - (D) wood
- 52 When the water source for the plants and animals in an ecosystem is reduced,
- (F) the animals of the ecosystem will be affected.
  - (G) the plants of the ecosystem will be affected.
  - (H) the animal life and the plant life of the ecosystem will remain consistent.
  - (I) the animals and the plants of the ecosystem will be affected.

# Answer Key & Teacher's Guide

## Successful Test Taking®

# SCIENCE 5

2004 Edition

LEADERSHIP RESOURCES®

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## Successful Test Taking®

This *Successful Test Taking*® Science 5 book is specifically designed to assist teachers and students as they incorporate the information and skills contained in the Sunshine State Standards into their learning environment. The book is an **essential teaching resource** for educators interested in preparing their students for the Florida Comprehensive Assessment Test (FCAT). Students will see the book as a helpful **learning tool** to master important science skills.

### Using "Successful Test Taking®"

1. After each student receives a Successful Test Taking® Science 5 book, let them know they can write and mark their answers in the book.
2. Use pages 3-5 to discuss preparation and aids to test taking.
3. On pages 6 and 7, review with your students the strategies for answering the different types of science items on the Florida Comprehensive Assessment Test.
4. You may wish to spend more time and/or days using this book than is actually spent on the FCAT.
5. Because this book is a learning/practice tool, you should tell your students that the format of the Successful Test Taking® Science 5 books is somewhat different from the FCAT.

For example, there are more total items as well as more short- and extended-response items to provide students with much more practice. This book provides more performance tasks to give students much thinking/analyzing/writing practice to build their confidence while preparing for the FCAT.

6. Have students turn to the 10 Strategies for Successful Test Taking in Science on page 8 and discuss it with them. Then review the directions on page 9.
7. Next, have students begin the science items for the Day 1 beginning on page 10. Students will continue working until they reach page 22 (item 30).
8. Day 2 testing (page 23) will be carried out in a similar fashion as Day One, with students working on items 31 - 60.
9. **Remind students to continue working on the science items until they reach a stop sign  in their book, at which point students stop.**
10. If you wish, you may want to conduct the optional science investigation beginning on page 36.
11. There are a total of 60 items and 79 possible points in the Science 5 book.

**FL**