

Mississippi SATP2 Biology I Student Review Guide

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*2010 Mississippi
Science Framework*

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by

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Preface

The *Mississippi SATP2 Biology I Student Review Guide* is written to help students review the skills needed to pass the Biology I end-of-course test in Mississippi. This comprehensive guide is based on the 2010 Mississippi Biology I Framework Competencies as correlated by the Mississippi State Department of Education.

How To Use This Book

Students:

The Biology I end-of-course test is required for graduation. You must pass the state end-of-course test, which contains a total of 70 multiple-choice questions (60 scorable and 10 field-test). This book is a review for the Biology I end-of-course test.

- ① Take the pre-test at the front of this book. The pre-test gauges your knowledge of Biology I content that will be tested on the end-of-course test. The pre-test is designed to identify areas that you need to review.
- ② Score the pre-test. Using the pre-test evaluation chart, circle the questions that you answered incorrectly.
- ③ For each question that you missed on the pre-test, review the corresponding sections in the book. Read the instructional material, do the practice exercises, and take the section review tests at the end of each section.
- ④ After reviewing the material, take the two practice tests (provided as separate booklets). These practice tests are written to look similar to the actual Biology I end-of-course test, so they will give you practice in taking the test.
- ⑤ After taking Practice Test 1 and/or Practice Test 2, use the practice test evaluation charts, which are found directly after each practice test, to identify areas for further review and practice. The practice test evaluation charts can be used in the same way as the pre-test evaluation chart.

Teachers:

This review guide is also intended to save you, the teacher, time in the classroom. It can be used for classroom instruction or for individual student review. Since this student guide offers review for ALL of the Mississippi Curriculum Framework for the Biology I course, you, the teacher, have one consolidated resource of materials to help your students prepare for the end-of-course test.

- ① When teaching or tutoring individual students, use the strategy outlined above for students. By taking the pre-test, students can identify areas that need improvement. The pre-test evaluation chart directs the student to the sections they need to review for instruction and additional practice.
- ② For classroom study, use this guide to supplement lesson plans and to give additional review for skills required by the Biology I Framework Competencies. Purchase a class set of guides for use in the classroom or assign guides to students for out-of-classroom work.
- ③ Assign the practice tests (provided in separate booklets) as comprehensive review tests. Score the tests according to the scoring directions given on pages PT1-1 and PT2-1 of the testing booklets to approximate the scoring potential for the actual SATP2 test.
- ④ Use the practice test evaluation charts found after each practice test to identify areas needing further review.
- ⑤ To establish benchmarks, you may want to use one of the practice tests (provided in separate booklets) as a pre-test. Score the practice test according to the practice test scoring directions given on pages PT1-1 and PT2-1 of the testing booklets. Then after the students have completed all the exercises in this review guide, use the second practice test to gauge progress. You should see marked improvement between the initial and final benchmarks.
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