

# Biology 203 Lecture Study Organizer for Lecture Test 1

## Chapters 1, 3, 4, and 5,

### Text Chapter 1: The Human Organism

This introductory chapter is completely readable. Much of it will be covered in lecture, but the introductory anatomy will be covered in Lab 1. *Lab 1 is the only lab whose material will be tested on a lecture test.*

**Reading: All**, except omit sections on “Body Cavities” and “Serous Membranes,” page 16 on. .

**Useful illustrations:** 1.1 - 1.9, and 1.11. These will be used in lecture and in the first lab. Review them before lecture.

**Lecture: “Introduction to Physiology”** Bring your Lecture Outline.

**Online Lecture Homework: Chapter 1.** See McGraw-Hill Learn Smart for due date.

### After Lecture (and Lab 1) Study

\_\_\_\_\_ **Review lecture notes daily!**

\_\_\_\_\_ **Review the Summary**, end of chapter.

\_\_\_\_\_ **Read/refer to Chapter 1**, as above, studying the useful illustrations.

\_\_\_\_\_ **Review and Comprehension** (end of chapter): 1 - 11, 12, 14.

\_\_\_\_\_ **Learn to Apply It** (found at the beginning of the chapter) Explanation is at the end of the chapter, page 19.

\_\_\_\_\_ **Apply It!** (found within the text): 1-3 only. Explanations are in Appendix E.

\_\_\_\_\_ **Critical Thinking**, end of chapter: 1 - 5. Answers are in Appendix D.

### Seeley’s Online Learning Center, Student Edition, Chapter 1: The Human Organism

\_\_\_\_\_ **Animations:** In Chapter 8, “The Reflex Arc” provides an example of a negative feedback system controlled by the nervous system.

## Text Chapter 3: Cell Structures and Their Functions

**Reading: All**, except omit section on Osmosis (pages 47-48). In Chapter 1, reread section 1.4, page 3 on “Characteristics of Life.” In addition, read “Enzymes,” page 36 of Chapter 2.

**Useful illustrations:** 3.1 - 3.5, 3.8- 3.20, 3.22, 3.26. In addition, Fig. 2.16 and 2.18 of Chapter 2.

**Lectures: “Cells 1” and “Cells 2”** Bring your Lecture Outline.

**Online Lecture Homework: Chapter 3.** See McGraw-Hill Connect for due date.

### After Lecture Study

\_\_\_\_\_ **Review lecture notes daily!**

\_\_\_\_\_ **Review the Summary**, end of chapter.

\_\_\_\_\_ **Read/refer to Chapter 3**, as above, studying the useful illustrations.

\_\_\_\_\_ **Review and Comprehension**, end of chapter: 1-5, 8, 10-17, 20-21.

\_\_\_\_\_ **Apply It!** (found within the text): 2, 4, and 5 only. Explanations are in Appendix E.

\_\_\_\_\_ **Critical Thinking**, end of chapter: 4 only. Explanation is in Appendix D.

### Seeley’s Online Learning Center, Student Edition, Chapter 3: Cell Structures and Their Functions

\_\_\_\_\_ **Animations:** View in this order: “The Process of Diffusion,” “The Process of Facilitated Diffusion,” Active Transport: The Sodium Potassium Pump,” “Vesicular Transport,” and “Lysosomes.” Also, in Chapter 2, see “Enzymes,” and in Chapter 10, see “Nuclear Receptors” for an overview of gene expression.

## Text Chapter 4: Tissues

A short chapter with more illustrations than reading. Both are equally important.

**Reading: All**, except omit sections 4.6 and 4.7 (pages 86-88, left column).

**Useful illustrations and tables: All** except Fig. 4.2, Table 4.6 b, Tables 4.8-4.11, and Fig. 4.5.

**Lecture: “Tissues 1 and 2”** Bring your Lecture Outline.

**Online Lecture Homework: Chapter 4.** See McGraw-Hill Connect for due date.

### After Lecture Study

\_\_\_\_\_ **Review lecture notes daily!**

\_\_\_\_\_ **Review the Summary**, end of chapter.

\_\_\_\_\_ **Read/refer to Chapter 4**, as above, especially studying the useful illustrations.

\_\_\_\_\_ **Review and Comprehension** (end of chapter): All except 7, 16-21, and 24. In item 14, substitute “dense irregular connective tissue” for “dense elastic connective tissue.”

\_\_\_\_\_ **Learn to Apply It** (found at the beginning of the chapter) Explanation is at the end of the chapter.

\_\_\_\_\_ **Apply It!** (found within the text): 1, 2, 3, and 6. Explanations are in Appendix E.

\_\_\_\_\_ **Critical Thinking** (end of chapter): 4 only. Answers are in Appendix D.

### Seeley’s Online Learning Center, Student Edition, Chapter 4: Tissues

\_\_\_\_\_ **Animations:** “Overview of Epithelial Tissue” (Omit last portion on cellular junctions.) and “Overview of Connective Tissue” (Omit bone and blood.)

## Text Chapter 5: Integumentary System

A completely readable chapter with excellent illustrations.

**Reading: Entire chapter.**

**Useful illustrations: All.**

**Lecture: “Integumentary System”** Bring your Lecture Outline.

**Online Lecture Homework: Chapter 5.** See McGraw-Hill Connect for due date.

### After-Lecture Study

\_\_\_\_\_ **Review lecture notes daily!**

\_\_\_\_\_ **Review the Summary**, end of chapter.

\_\_\_\_\_ **Read/refer to Chapter 5**, studying the illustrations.

\_\_\_\_\_ **Review and Comprehension** (end of chapter): All.

\_\_\_\_\_ **Learn to Apply It** (found at the beginning of the chapter) Explanation is at the end of the chapter.

\_\_\_\_\_ **Apply It!** (found within the text): 1, 2, 4, and 5. Explanations are in Appendix E.

\_\_\_\_\_ **Critical Thinking** (end of chapter): 1 -7. Explanations are in Appendix D.

\_\_\_\_\_ **Systems Pathology** (end of Chapter): “Burns.” Read all.