

# 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 Learn Smart for due date.

### After Lecture (and Lab 1) Study

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

\_\_\_\_\_ **Read/refer to Chapter 1**, as above, studying the useful illustrations. Be sure to review the end-of-chapter Summary

\_\_\_\_\_ **Review and Comprehension** (end of chapter): 1 - 12, 14, 15.

\_\_\_\_\_ **Learn to Predict** (found at the beginning of the chapter and within the text): 1-4 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/Videos:** “Baroreceptor control of blood pressure”

### Student Study Guide for Chapter 1 (Print a copy.) Most useful is the Content Learning Activity

\_\_\_\_\_ **Content Learning Activity:** All on pages 1-6; omit pages 7-8.

\_\_\_\_\_ **Master Learning Activity:** 1-10; omit 11-15.

## 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.”

**Useful illustrations:** 3.1 - 3.5, 3.8- 3.20, 3.22, 3.26.

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

**Online Lecture Homework: Chapter 3.** See Learn Smart for due date.

### After Lecture Study

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

\_\_\_\_\_ **Read/refer to Chapter 3**, as above, studying the useful illustrations. Be sure to review the end-of-chapter Summary.

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

\_\_\_\_\_ **Learn to Predict** (found at the beginning of the chapter and within the text): 2, 3, and 5 only. Explanations are in Appendix E.

\_\_\_\_\_ **Critical Thinking** (end of chapter): 3 and 4. Answers are in Appendix D.

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

\_\_\_\_\_ **Animations/Videos:** 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 348.OK” for an overview of gene expression.

### Student Study Guide for Chapter 3 (Print a copy.) Most useful is the Content Learning Activity.

\_\_\_\_\_ **Content Learning Activity:** All except omit C, page 3, and “Osmosis and Filtration, page 6. Also omit pages 7-10.

\_\_\_\_\_ **Master Learning Activity:** Do all but 8, 10, 14, and 15. On page 15 omit all.

## Text Chapter 4: Tissues

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

**Reading: All**, except omit sections 4.4-4.7 (pages 83-88, left column).

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

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

**Online Lecture Homework: Chapter 4.** See Learn Smart for due date.

### After Lecture Study

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

\_\_\_\_\_ **Read/refer to Chapter 4**, as above, especially studying the useful illustrations. Be sure to review the end-of-chapter Summary.

\_\_\_\_\_ **Review and Comprehension** (end of chapter): All except 7, 16-21, and 23-24. In item 14, substitute “dense irregular connective tissue” for “dense elastic connective tissue.”

\_\_\_\_\_ **Learn to Predict** (found at the beginning of the chapter and within the text): 2, 3,4, and 7 only. Explanations are in Appendix E.

\_\_\_\_\_ **Critical Thinking** (end of chapter): 4, 5, and 8 only. Answers are in Appendix D.

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

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

### Student Study Guide for Chapter 4 (Print a copy.) Most useful is the Content Learning Activity.

\_\_\_\_\_ **Content Learning Activity:** All except item D, page 3, and references to bone, page 6. Omit pages 7 and 8, and 9, part b.

\_\_\_\_\_ **Master Learning Activity:** Omit 6,15-19.

## Text Chapter 5: Integumentary System

A completely readable chapter with great illustrations.

**Reading: Entire chapter.**

**Useful illustrations: All.**

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

**Online Lecture Homework: Chapter 5.** See Learn Smart for due date.

### After-Lecture Study

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

\_\_\_\_\_ **Read/refer to Chapter 5**, studying the illustrations. Be sure to review the end-of-chapter Summary.

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

\_\_\_\_\_ **Learn to Predict** (found at the beginning of the chapter and within the text): 1-6. 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.

**Online Learning Center, Student Edition, Chapter 5: Integumentary System**

**Student Study Guide for Chapter 5: (Print a copy.)**

\_\_\_\_\_ **Content Learning Activity:** All.

\_\_\_\_\_ **Master Learning Activity:** All.