

**Biology Lecture Study Organizer for Lecture Test 4**  
**Chapters 9 (in part), 10, and 11**

**Text Chapter 9: Senses (Hearing, Balance and Vision)**

The first part of this chapter has already been covered as part of Lecture Test 3. We will cover hearing, balance, and then vision, which is not the same order as in the text.

**Reading: Pages 253-259; and 244-252.**

**Useful illustrations:** 9.5-9.15; 9.17-9.23.

**Lectures: "Balance and Hearing," and "Vision"**

**After Lecture Study**

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

\_\_\_\_\_ **Read/refer to Chapter 9**, in the order as assigned above, studying the useful illustrations.

\_\_\_\_\_ **Review and Comprehension** (end of chapter): 8-22.

\_\_\_\_\_ **Learn to Predict** (found at the beginning of the chapter and within the text): 1, 4, 5, 6., 7, 8. Explanations are in Appendix E.

\_\_\_\_\_ **Critical Thinking** (end of chapter): 1-5.

**Online Learning Center, Student Edition, Chapter 9: The General and Special Senses**

\_\_\_\_\_ **Animations/Videos:** Effect of Sound Waves on Cochlear Structures

**Student Study Guide for Chapter 9 (Print a copy.) The Content Learning Activity is the most useful.**

\_\_\_\_\_ **Content Learning Activity** (Begin on page 4): Pages 4-7: All. Page 8: Omit C. 1-4. Page 9, Omit A. 1-6. Pages 10-11: All.

\_\_\_\_\_ **Word Parts** (page13): All.

\_\_\_\_\_ **Master Learning Activity** (page 13): 5-11; 13-15.

## Text Chapter 10: Endocrine System

We have already used parts of Chapter 10 as we studied calcium metabolism, bone growth, and the adrenal medulla's stress hormones. At this time we will use only part of this chapter, looking at basic principles of hormone function and regulation, and saving specific hormone glands until we need them again in Biology 204.

**Reading: Pages 264-294, but focus mainly on pages 264-274.**

**Useful illustrations:** Table 10.1, Fig. 10.1-10.8, 10.11, 10.12, 10.13, 10.14, 10.16, 10.21,

**Lectures: "Endocrine System 1 and 2" .**

### After Lecture Study

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

\_\_\_\_\_ **Read/refer to Chapter 10**, at least pages 264-274.

\_\_\_\_\_ **Review and Comprehension** (end of chapter) 1-13, 16, 18, 21, 22.

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

\_\_\_\_\_ **Critical Thinking** (end of chapter): 2

### Online Learning Center, Student Edition, Chapter 10: Endocrine System

\_\_\_\_\_ **Animations/Videos:** "Nuclear Receptors" [348.OK], "Steroid Hormone Action"

**Student Study Guide for Chapter 10 (Print a copy.) The Content Learning Activity is the most useful.**

\_\_\_\_\_ **Content Learning Activity:** Page 1, all; page 2, omit section B. Page 3, omit 3-7 of section B. Page 4, all. Page 5, omit 3 and 4 at top. Page 5, do only 2 and 4 at top, and section C at bottom. Page 7, omit section B. Page 8, top section only. Page 9, 10, and 11, omit all. Page 12, omit 3 and 6 of top section.

\_\_\_\_\_ **Word Parts:** All.

\_\_\_\_\_ **Master Learning Activity:** 1,3, 5, 6, 7, 9-12, 15.

## Text Chapter 11: Blood

This is an ideal chapter which concisely covers a diverse, relevant, and fascinating topic.

**Reading: All–pages 297-215.**

**Useful illustrations:** All illustrations and both tables.

**Lectures: “Blood 1 and 2”** Bring your text and Lecture Notebook.

### After Lecture Study

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

\_\_\_\_\_ **Read/refer to Chapter 11**, studying the useful illustrations.

\_\_\_\_\_ **Review and Comprehension** (end of chapter): All except number 5.

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

\_\_\_\_\_ **Critical Thinking** (end of chapter): All.

### Online Learning Center, Student Edition, Chapter 11: Blood

\_\_\_\_\_ **Animations/Videos:** “Hemoglobin Breakdown” and “Blood Groups and Agglutination Reactions”

**Student Study Guide for Chapter 11 (Print a copy.) The most useful is the Content Learning Activity.**

\_\_\_\_\_ **Content Learning Activity:** All except item 5 under “Erythrocytes” on page 2.

\_\_\_\_\_ **Word Parts:** All.

\_\_\_\_\_ **Master Learning Activity:** All except item 4.