Biology Lecture Assignments for Lecture Test 2  
Chapters 6, 7, and 8 (pages 192-197)

Text Chapter 6: Skeletal System

In lecture we will cover the chapter material that is physiological in nature, leaving the gross anatomy to lab. In addition, we will refer to Chapter 10, “Endocrine System” as needed, since the endocrine system controls the skeletal system’s growth and repair.

Pre-lecture reading assignment: Skim-read pages 110-119, and section 6.9 (pages 143-146).


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

After Lecture Assignments

_____ _____ _____ _____ _____ _____ Review lecture notes daily!

_____ Reread Chapter 6 (and parts of 10), as above, studying assigned illustrations.


_____ Learn to Predict (found at the beginning of the chapter and within the text): 2, 3, 6 Explanations are in Appendix E.

_____ Critical Thinking (end of chapter): 1. Answers are in Appendix D.

_____ Systems Pathology (end of chapter) “Osteoporosis,” pages 144-145.

Online Learning Center, Student Edition, Chapter 6: Skeletal System

_____ Multiple Choice Quiz: 1-8.

_____ Animations/Videos: “Bone growth in width.”

Student Study Guide for Chapter 6 (Print a copy.)

_____ Content Learning Activity: All on pages 1-4, except A., page 2. Omit pages 5-16, which are lab related.
Text Chapter 7: Muscle System

In lecture we will cover the chapter material that is physiological in nature, leaving the gross anatomy to lab.


Assigned illustrations: Fig. 7.1-7.3, 7.5-7.12; Table 7.1 and 7.2.

Lectures: “Muscle 1, 2 and 3” Bring your text and Lecture Notebook.

After Lecture Assignments

Review lecture notes daily!

Reread Chapter 7, as above, carefully studying the assigned illustrations.


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

Critical Thinking (end of chapter): 1-3. Answers are in Appendix D.

Online Learning Center, Student Edition, Chapter 7: Muscle System

Multiple Choice Quiz: 1-5, 7-12, 16, 17, 20.

Animations/Videos: (Most of these are toward the bottom of the list of animations.) In order: “Skeletal Muscle Structure and Contraction,” “Overview of Muscle Tissue” (omit cardiac and smooth muscle at the end.), “Sarcomere Shortening,” “Function of the Neuromuscular Junction,” “Action Potentials and Muscle Contraction” (this one is at the top of the list), “Sliding Filament Theory” [Myofilament Contraction].

Student Study Guide for Chapter 7 (Print a copy.)

Content Learning Activity: Pages 1-7, except omit “Membrane Potentials,” pages 4 and 5.
Text Chapter 8: Nervous System, pages 192-197 only

For Lecture Test 2 we will cover only the introductory material on pages 192-197.

Pre-lecture reading assignment: Skim-read pages 192-197.


After Lecture Assignments

Review lecture notes daily!

Reread Chapter 8, pages 192-197, as above, studying assigned illustrations.


Learn to Predict (found at the beginning of the chapter and within the text): 1. Explanations are in Appendix E.

Critical Thinking (end of chapter): 1. Answers are in Appendix D.

Online Learning Center, Student Edition, Chapter 8: Nervous System

Multiple Choice Quiz: 1-5.

Animations/Videos: “Overview of Nervous Tissue”

Student Study Guide for Chapter 8 (Print a copy.)

Content Learning Activity: Pages 1, 2, 3, and 4, “Organization of Nervous Tissue” only.


Word Parts, page 18: All.

Master Learning Activity, page 18: 1-5.

Final Challenges, page 20: 1.