

Biology 204 Study Organizer for Lecture Test 2

Chapters 15, 12, and 13 (first part only)

Text Chapter 15: Respiratory System

Reading: pages 412- 438

Useful illustrations: All except 15.14.

Lectures: "Respiratory System 1, 2 and 3." Questions welcome!

Online Lecture Homework (two assignments) See Learn Smart for due dates.

After Lecture Study

_____ **Review lecture notes daily!**

_____ **Read/refer to Chapter 15**, as above, studying the useful illustrations.

_____ **Learn to Predict** (found at the beginning of the chapter and within the text): 1-6, 12 Explanations are in Appendix E.

_____ **Critical Thinking** (end of chapter): 3, 6-10. Answers are in Appendix D.

_____ **Systems Pathology** (end of chapter): Asthma

_____ **Review and Comprehension** (end of chapter): 1, 2, 6-9, 11, 14-17, 19-28.
These questions are an ideal way to review before the lecture test. Note that 3, 4 12, 14, and 18 are covered in lab.

Seeley's Online Learning Center, Student Edition, Ch. 15: Respiratory System

_____ **Animations/Videos:** Overview of the Respiratory System, Alveolar Pressure Changes During Respiration, Gas exchange During Respiration, Partial Pressures and Gas Exchange

Student Study Guide for Chapter 15 (Print a copy.)

_____ **Content Learning Activity** (An extremely useful way to learn or review): Pages 1-4 cover anatomy. For lecture, begin with Changing Thoracic Volume, bottom of page 5.. Do all except on page 8, omit inspiratory reserve volume. On page 9, omit dead space.

_____ **Quick Recall:** All except item 7.

_____ **Word Parts:** All.

_____ **Master Learning Activity:** All except 11.

_____ **Final Challenges:** Omit all.

Text Chapter 12: The Heart

Reading: pages 318-347

Useful illustrations: Anatomy covered in lab: 12.1-12.7 and 12.11. For lecture: 2.8-12.10, 12.12-12.17, 12.19-12.22.

Lectures: “Heart 1-3.” Questions welcome!

Online Lecture Homework (two assignments). See Learn Smart for due dates.

After Lecture Study

_____ **Review lecture notes daily!**

_____ **Read/refer to Chapter 12**, as assigned above, studying all useful illustrations.

_____ **Learn to Predict** (found at the beginning of the chapter and within the text): 1-4, 6, 8-10. Explanations are in Appendix E.

_____ **Critical Thinking** (end of chapter): 1-3, 5-8. Answers are in Appendix D.

_____ **Systems Pathology** (end of chapter): Myocardial Infarction

_____ **Review and Comprehension:** (end of chapter): For lab: 1-4, 7 and 9. For lecture: 5,6, 8, 10-29. *These questions are an ideal way to review before the lecture test.*

Seeley’s Online Learning Center, Student Edition, Chapter 12: The Heart

_____ **Animations/Videos:** Blood Flow through the Heart, Circulation Circuits, Conduction System of the Heart, Cardiac Cycle, Baroreceptor Control of Blood Pressure, Chemoreceptor Control of Blood Pressure.

Student Study Guide for Chapter 12 (Print a copy.)

_____ **Content Learning Activity** (An extremely useful tool to learn or review): Pages 1-4: Heart anatomy. Pages 5-11: All.

_____ **Quick Recall:** All.

_____ **Word Parts:** All.

_____ **Master Learning Activity:** All.

_____ **Final Challenges:** 1-4.

Text Chapter 13: Blood Vessels and Circulation, section 13.2 only

Reading: pages 350-353 only

Useful illustrations: 13.1-13.5; 13.34.

Lectures: “Cardiovascular 1.” Questions welcome!

No online lecture homework for this section.

After Lecture Study

_____ **Review lecture notes daily!**

_____ **Read/refer to Chapter 13**, as assigned above, studying all useful illustrations.

_____ **Learn to Predict** (found at the beginning of the chapter and within the text):
None.

_____ **Critical Thinking** (end of chapter): None.

_____ **Review and Comprehension:** (end of chapter): 1-7. *These questions are an ideal way to review before the lecture test.*

Seeley’s Online Learning Center, Student Edition, Chapter 13: Blood Vessels and Circulation

_____ **Animations/Videos:** None.

Student Study Guide for Chapter 13 (Print a copy.)

_____ **Content Learning Activity** (An extremely useful tool to learn or review): Pages 1 and 2, except omit Blood Vessels of the Systemic Circulation: Arteries).

_____ **Quick Recall:** Page 11, 2 and 3.

_____ **Word Parts:** All.

_____ **Master Learning Activity:** 1-3.

_____ **Final Challenges:** None.