Biology Lecture Study Organizer for Lecture Test 3 Chapters 8 and 9 (parts of each chapter)

Text Chapter 8: Nervous System

For this part of the course, we will begin with Section 8.4, page 194 and continue to the end, since we have already covered the introductory sections.

Reading: pages 194-232, but not all at once! We will take five lectures to cover this material.

Also, related to Nervous System III: "Autonomic Nervous System," in **Chapter 10** read "Adrenal Glands: Adrenal Medulla," page 282, and refer to Fig. 10.19, page 283. Read "Clinical Impact: Hormones and Stress," page 284.

Useful illustrations: 8.7- 8.19, 8.21, 8.24, 8.26, 8.27, 8.29, 8.30, 8.34-8.36, 8.38, 8.39. Tables 8.2, 8.7, and 8.8, and Fig. 10.19, p. 282.

Systems Pathology (end of chapter) "Stroke," pages 230-231.

Lectures: "Action Potentials," "Synapses," Spinal Cord and Brain as an Organ," "Brain Functions" and "Autonomic Nervous System."

Connect Online Lecture Homework: Chapter 8, Nervous System--Action Potentials, CNS. See Connect Learn Smart for due date.

Connect Online Lecture Homework: Chapter 8, Nervous System--Nerve tracts + ANS. See Connect Learn Smart for due date.

After Lecture Study

Since there are five lectures over these topics, divide your reading and review to correspond with the lectures. The lectures follow the order as in the text.	
	Review lecture notes daily!
Read/refer to Chapter 8, one lecture at a tillustrations. Reread Chapter 10, page 282-283, as	. , ,
Summary (end of Chapter): 8.4, 8.5, 8.8-8.1	12, 8.14
Review and Comprehension (end of chapt	er): 9-18, 25-27, 29, 35, 36, 38-40.

Learn to Apply It/ Apply It! (found at the beginning of the chapter and within the text): 1, 2, 4, 7, 8. Explanations are in Appendix E.	е
Critical Thinking (end of chapter): 1 and 4 only. Answers are in Appendix D.	
Seeley's Online Learning Center, Student Edition, Chapter 8: Nervous System	
Animations/Videos: View in this order: Membrane Potentials and the Nerve Impulse, Voltage-gated Ion Channels and the Action Potential; The Na+-K+ Pump, Action Potentials on an Unmyelinated Neuron, Action Potentials on a Myelinated Neuron, Chemical Synapses, The Reflex Arc, Divisions of the Brain, The Meninges, and Circulation of CSF.	

Text Chapter 9: Senses (General and Chemical Senses only for Test 3)

Much of this chapter will be covered later as part of preparation for Test 4. It is a short but information-rich chapter.

Reading: Pages 237-242.
Useful illustrations: 9.1-9.6.
Lecture: "General and Chemical Senses."
After Lecture Study
Review lecture notes daily!
Read/Refer to Chapter 9, as above, studying the assigned illustrations.
Summary (end of chapter): 9.1-9.6
Review and Comprehension (end of chapter): 1, 2, 4-7.
Learn to Apply It/Apply It! (found at the beginning of the chapter and within the text): 1, 2. Explanations are in Appendix E.
Critical Thinking (end of chapter): None.
Seeley's Online Learning Center, Student Edition, Chapter 9: Senses

Animations/Videos: None