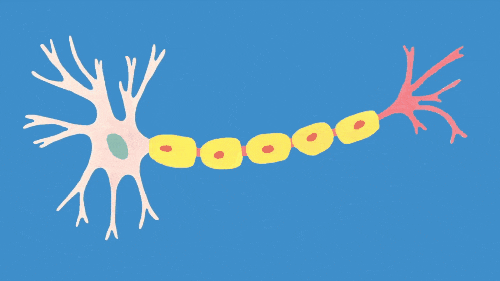
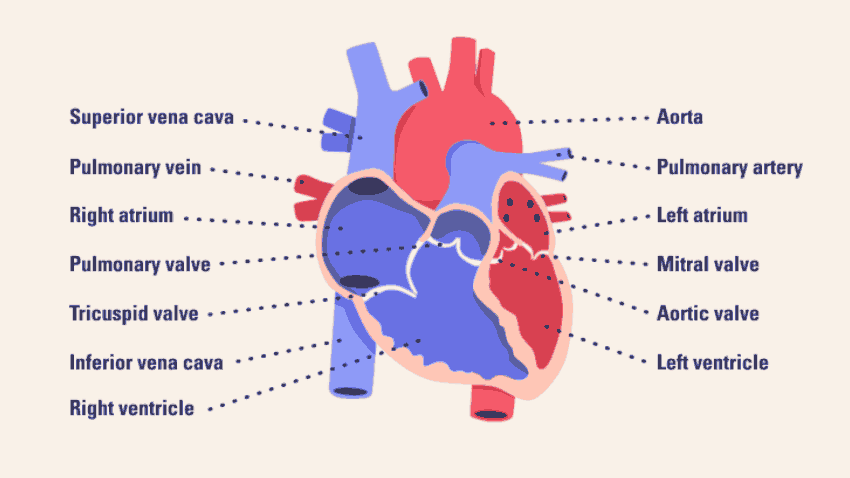
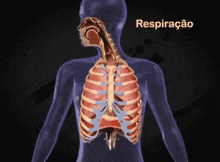
Nervous, Circulatory, Respiratory Systems

Chapters 30B, 32



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**See** [**https://www.learningctronline.com/courses**](https://www.learningctronline.com/courses) **for Materials and Resources.**

**Topics:**

1. Human Anatomy & Physiology (Nerves, Circulation, Respiration)

**Objectives:**

1. Recognize, identify, and define the anatomy and function of the human nervous system.

* + Central vs. Peripheral Nervous System
  + Neurons, Synapses
  + Membrane Potential

1. Recognize, identify, and define the anatomy and function of the human circulatory system.

* Blood Vessels
* The Heart
* Types of Blood

1. Recognize, identify, and define the anatomy and function of the human respiratory system.

* Inhalation vs. Exhalation
* Transport and exchange of Gases

TAKE NOTE (All 1 week except Comparative Anatomy Project)

1. Test Corrections (Skin, Muscle, Bones)
2. Notes/Study Guide … Nerves, Circulation, Respiration
3. Homework from Text
4. Lab Circulation, Respiration
5. Comparative Anatomy Project (2 weeks) … complete circulation, respiration, nerves portion
6. Test Nervous, Circulatory & Respiratory Systems
7. HONORS Comparative Anatomy Project (Three organisms from 3 different phyla).
8. BONUS Complete the film review for “Something the Lord Made”
9. Week 31 Devotional (<https://www.learningctronline.com/devotional>)

**Text**: Chapter 32: Human Anatomy Circulatory Respiratory Systems pp. 670 – 684;

Chapter 30 Nervous System

Read the assigned pages in the text.

**Class Notes: PowerPoint or PDF**

**Notes/Study Guide:** Fill in the Study Guide worksheet to understand the class notes.

**Homework**: (1 week)

* Study Questions (end of the chapter 32 in the text) #2, 4, 7, 9-12, 16 (explain true/false).
* Use a Word document format as follows:
  + Heading: Your name, Chapter in Text, Study Questions
  + Number the appropriate questions you are to answer
  + Write the answer in a complete sentence use the question as the template (do not copy the question, but reword it into a statement that answers the question).
* Use the same document each week by starting a new “Study Question” for a different chapter on the next page.
* Assignments will be “spot checked” during class or submitted via email.

**Lab**: Circulation & Respiration (due by next class)

* Complete the "Circulation & Respiration Lab" using the worksheet provided.
* This project is due before next week’s class.
* After completing the lab, email it to [learningctronline@gmail.com](mailto:learningctronline@gmail.com) for grading.
* Save document into your LAB folder in the Biology folder on your desktop.

**TEST:** Test this week.

1. **A guardian should be proctoring your test.** Proctoring means to monitor the following:  
     
   1) the academic integrity policy,  
   2) taking the entire test "in one sitting", and  
   3) keeping the time limit of 75 minutes.  
     
   Proctors should NOT be reading the test or engaging students during the test.
2. The test must be completed **WITHOUT** referring to the textbook, the class notes, the internet, people, or any other outside resources on this test the first two times through.
3. The test must be taken in one sitting, meaning that once you open the test, you must complete it without interruption except for short mental breaks.
4. You have **75 minutes** **maximum** to complete the test. You will be penalized for going over the time limit, even 1 minute. Students who have an accommodation should email the teacher regarding the time limit.

**STRATEGY: Take the test "three times".**

1. Go through all the questions and answer the questions that are "easier" for you first ... to build confidence.
2. Then, go back and carefully consider the ones you did not answer initially. Skip the ones you feel are too hard, you don't understand, or you will look up using your study guide and/or notes.
3. Lastly, go to the questions you skipped and make them make sense based on your knowledge of Biology. LOOK UP SOME ANSWERS USING YOUR STUDY GUIDE AND/OR NOTES AS YOU HAVE TIME. Please do NOT use notes for the diagrams.

Supplemental Resources (Optional)

1. Vocabulary Review Crossword (Nerves, Circulation, Respiration)

<https://youtu.be/gEUu-A2wfSE> (8:21) The Amoeba Sisters Channel – **Human Body Systems Functions Overview**

<https://youtu.be/RNLceVI8jcc> (11:31) The Amoeba Sisters Channel – **Nervous System**

<https://youtu.be/_vZ0lefPg_0> (8:13) The Amoeba Sisters Channel – **Circulatory System & Pathway of Blood through the Heart**

# <https://youtu.be/v_j-LD2YEqg> (7:34) The Amoeba Sisters Channel – Respiratory System

# <https://somup.com/c3lwqdwLA4> (3:20) Harvard Step Test