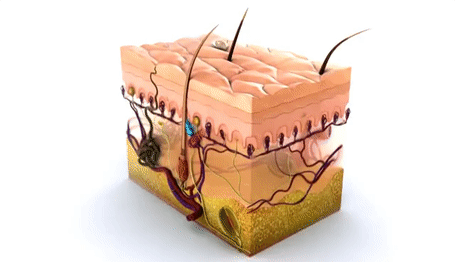
Skin Bones Muscles

Chapters 30, 33B



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

**Topics:**

1. Human Anatomy & Physiology (Skin, Bones, Muscles)

**Objectives:**

1. Recognize the hierarchy of levels of organization for humans (cells, tissues, organs, systems).
2. Identify characteristics and define the purpose of the four types of human tissues, emphasizing:
   1. Skin (Epithelial tissue)
   2. Skeleton (Connective tissue)
   3. Muscle tissue
   4. Nervous tissue (next lesson)
3. Understand how Organ Systems work together to perform life’s functions.
4. Describe regulation of the internal environment (homeostasis).

TAKE NOTE (All 1 week except Comparative Anatomy Project)

1. Notes/Study Guide … Skin Bones Muscles
2. Homework from Text
3. Lab Skin Bones Muscles (virtual)
4. Comparative Anatomy Project (3 weeks) … complete skin, bone, muscle portion
5. Test Skin Bones Muscles
6. HONORS Comparative Anatomy Project (Three organisms from 3 different phyla).
7. Week 30 Devotional (<https://www.learningctronline.com/devotional>)

**Text**: Chapter 30: Human Anatomy Nervous System pp. 632 – 652; Chapter 33B Musculature

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 30 in the text) #3-5, 14-15; 21-22, 24, 26 (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**: Skin Bones Muscles Virtual Lab (due by next class)

* Complete the "Skin Bones Muscles Virtual 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 (Skin Bones Muscles)

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

<https://youtu.be/dpxalWACO7k> (8:20) The Amoeba Sisters Channel – **Muscle Tissues** & Sliding Filament Model

# <https://youtu.be/Iz0Q9nTZCw4> (6:24) The Amoeba Sisters Channel – Homeostasis and Negative/Positive Feedback