Introduction to Biology!

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

**Topics:**

1. Biology Introduction

**Objectives:**

1. Have a great start to Biology!
2. Go over practical and technical issues to navigating course related issues.
3. Discuss the Characteristics of all Living Organisms.
4. *Explore the principles and practices of the Scientific Method.*
5. Identify, label, and explain the parts and functions of a compound light microscope.

TAKE NOTE – expect to spend 8-10 hours/week on Biology (Honors 10-12 hours/week)

1. Review Policies
   1. Late Policy
   2. Grading & Pedagogy – expect to spend 8-10 hrs/week on Biology; Honors: 10-12 hrs/wk
   3. Test Corrections
2. Create a Biology folder on your Desktop with the following SUBfolders:
   1. Class Notes
   2. Homework
   3. Lab
   4. Test
   5. Reference Tables / Resources
3. Technology
   1. Zoom
   2. Tablet
   3. Lab Supplies
   4. Microsoft Word, PowerPoint, Excel compatibility (especially MAC users)
   5. Text
4. Review Conduct, Integrity, Plagiarism policy (<https://www.learningctronline.com/policies-conduct-integrity-plagiari>)

1. Notes/Study Guide (Up to “What is Science?”)
2. Homework from Text
3. Lab Quiz (Compound Light Microscope)
4. Class Song: “Do Your Best” (<https://www.learningctronline.com/class-songs>)
5. Week 1 Devotional (<https://www.learningctronline.com/devotional>)

**Text**: Chapter 1: Introduction to Biology pp. 1-19

Read the assigned pages in the text.

**Class Notes: PowerPoint or PDF**

**Notes/Study Guide:** Fill in the Chapter 1 Study Guide worksheet to understand the class notes.

**Homework**: (2 weeks)

* Study Questions (at the end of the chapter in the text) #1-2, 6-8, 10-13, 15
* 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**: Compound Light Microscope

* Complete the "Compound Light Microscope Lab" using the lab worksheet provided.
* There is a website and video as part of the lab included on the worksheet.  
    
  <https://virtuallabs.nmsu.edu/micro.php> OR <http://somup.com/c3nQodZNSz> (6:49)
* After completing the Lab worksheet, 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.
* Request and take the **Lab Quiz** worth 14 points. Email to [learningctronline@gmail.com](mailto:learningctronline@gmail.com) for grading.
* You may **NOT** use the worksheet on the quiz or any other resources.

**TEST:** A unit test will be given after next week’s class.

Supplemental Resources (Optional)  
  
<https://www.youtube.com/user/AmoebaSisters> (1:25) The Amoeba Sisters Channel – Trailer

<https://youtu.be/tVcEEw6qbBQ?list=PLwL0Myd7Dk1F0iQPGrjehze3eDpco1eVz> The Amoeba Sisters Channel – **Microscopes & How to Use a Light Microscope** (9:15)

<https://youtu.be/cQPVXrV0GNA> The Amoeba Sisters Channel – **Characteristics of Life** (7:56)