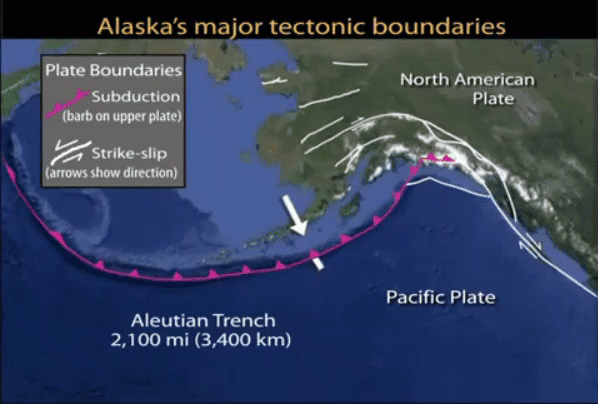
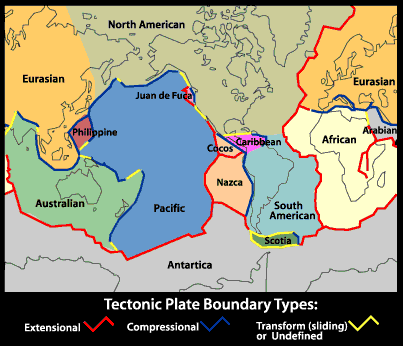
**Mountains, Earthquakes, Volcanoes**

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

**Topics:**

1. Mountains, Earthquakes, Volcanoes

**Objectives:**

1. Explain the theory of plate tectonics.
2. List and describe the type of motion at the different tectonic plate boundaries.
3. List the type of fault and type of stress associated with the 3 boundary types.
4. List and define the types of mountains that form at the earth’s plates.
5. Explain various aspects of earthquakes (*faults, elastic rebound, focus & epicenter, measurement*).
6. Explain how scientists determine the location of an earthquake.
7. List and define the 3 types of volcanoes.

TAKE NOTE (All assignments are due by next week’s class.)

1. Mountains, Earthquakes, Volcanoes PowerPoint (class notes)
2. Class notes study guide (Mountains, Earthquakes, Volcanoes)
3. Lab: An Inquiry into Plate Boundaries
4. Lab: Virtual Earthquake
5. Film Review: “The Day the Earth Shook”
6. Review WS: Earth & Lithosphere, Mountains, Earthquakes, Volcanoes
7. TEST: Lithosphere (Earth’s Interior, Plate Tectonics)
8. 2nd Semester Exam: due within 10 days of week 32 class.
9. Week 32 Devotional (<https://www.learningctronline.com/devotional>)

**Text**:

**Reference Material:**

**Homework**:

* Class Notes Study Guide
* Review Worksheet (Earth & Lithosphere, Mountains, Earthquakes, Volcanoes

**Lab**: Film Review

* Open the worksheet for the film review: “The Day the Earth Shook”.
  + Complete the film review worksheet using the link provided..
* Save the document into your LAB folder in the Projects in Science folder on your desktop.

**Lab**: An Inquiry into Plate Boundaries

* Perform the lab “An Inquiry into Plate Boundaries” using the worksheet provided.
* Save the document into your LAB folder in the Projects in Science folder on your desktop.

**Lab**: Virtual Earthquake

* Perform the lab “Virtual Earthquake” using the worksheet and simulation provided.
* Save the document into your LAB folder in the Projects in Science folder on your desktop.

**TEST:** Lithosphere (Earth’s Interior, Plate Tectonics, Mountains, Earthquakes, Volcanoes)

1) the academic integrity policy

* Tests must be completed **WITHOUT** referring to books, notes, the internet, people, or any outside resources.
* Students **MAY** use the approved Periodic Tables, approved Reference Tables, or approved equation (formula) sheet (provided by the teacher) along with calculators and scratch paper.
* A guardian should be proctoring the test. Proctoring means to monitor the following:

2) Take the **"in one sitting"**, meaning that once you start the test, you must complete it without interruption.

3) There is a **40-minute time limit** on this test. Please have the proctor write the time taken at the top of your answer sheet with their signature or initials.

4) Proctors should NOT be reading the test or engaging students during the test.

5) Do NOT use RED font. Black font is best.

Supplemental Resources (Optional)

1. Crossword Vocabulary Earth & Lithosphere, Mountains, Earthquakes, Volcanoes
2. Jeopardy Review

<http://somup.com/cFQrrlVW9R> Types of Plate Boundaries (1:22)

<http://somup.com/cFQ3XmVWWZ> Normal Fault (Simulation)

<http://somup.com/cFQ3XJVWWO> Reverse Fault (Simulation)

<http://somup.com/cFQ3XdVWWt> Strike Slip Fault (Simulation)

<http://somup.com/cZiDoQERRB> (2:39) Ring of Fire (Johnny Cash)

<http://somup.com/cbfjnkWPT> Earthquake Simulations (8:46)

<http://somup.com/cZjVorG08L> The Day the Earth Shook (43:31)

TEST: Semester Exam

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 100 minutes.  
     
   Proctors should NOT be reading the test or engaging students during the test.
2. For the semester exam you **MAY** use the review study guide during the exam according to the exam strategy shown below. **Do NOT use the study guide until you have gone through the exam twice as directed below.**
3. The test must be completed **WITHOUT** referring to the textbook, the class notes, the internet, people, or any other outside resources on this test.
4. Students **MAY** use the approved Periodic Tables, approved Reference Tables, or approved equation (formula) sheet (provided by the teacher) along with calculators and scratch paper throughout the exam. You may take a short break to relax.
5. The semester exam must be taken in one sitting, meaning that once you open the test, you must complete it without interruption. There is NO written portion for this exam, only automated (multiple choice).
6. You have **100 minutes** **maximum** to complete the semester exam. 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 (3) times".**

1. Go through all the questions and answer the "easier" ones 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 the review study guide.
3. Lastly, go to the questions you skipped and make them make sense based on your knowledge from the course. Look up some answers using study guides if you have time.

If you take more than 100 minutes, your score will be reduced UNLESS you have a documented, pre-approved accommodation.

**The semester exam has 75 multiple choice questions with NO written portion.**