


Biology: Unit Six Calendar 2007-2008

History and Organization of Biological Diversity

Date	Class Items	Homework: always review
1/29 periods 1-6	1. Discuss semester organization and tips for success 2. Notes (Obj. 1-4)	1. Read CH 14 and do the terms listed on your calendar 2. Review Obj. 1-4
1/30-31	1. Notes (Obj. 5) 2. Lab: Determining the Age of Fossils	1. Complete CH 14 Terms 3. Study for Q6-1 (Obj. 1-5)
2/1-4	1. Collect Terms CH 14 and Lab 2. Q6-1 (Obj. 1-5) 3. Notes (Obj. 6-8) with Science Notebook & Data Analysis Lab 14.1 page 406	1. Study for Q6-2 (Obj. 6-8)
2/5-6	1. CAHSEE 2. Begin homework	1. Review for Q6-2 (Obj. 6-8) 2. Science Notebook Sections 15.1 & 15.2 (read chapter and use notes obj. 9-12)
2/7-8	1. Q6-2 (Obj. 6-8) 3. Review Science Notebook and Obj. 9-12 4. Lab: Evidence of Evolution	1. Read CH 15 and define the listed terms 2. Review for Q6-3 (Obj. 9-12)
2/11-12	1. Collect lab 2. Q6-3 (Obj. 9-12) PARTNER UP! 3. Notes Obj. 13-18 with Science Notebook	1. Finish CH 15 Terms 2. Take practice quizzes online for sections 15.2 and 15.3 3. Study for Q6-4 (Obj. 13-18)
2/13-14	1. Collect CH 15 terms 2. Q6-4 (Obj. 13-18) 3. Notes (Obj. 19-24) <i>Happy Valentine's Day!</i>	1. Review for Q6-5 Obj. 19-24 2. Read CH 17 and begin defining the listed terms 
2/15-19	1. Science Notebook Sections 17.1-17.3	1. Finish CH 17 Terms 2. Your test is in TWO class periods. Be prepared!
2/20-21	1. Collect CH 17 terms 2. Q6-5 (Obj 19-24) 3. Lab: Classifying Leaves	1. Review....look over notes, science notebooks, and labs 2. Practice by taking online quizzes
2/22-25	1. New Unit 7 Calendar 2. Test Unit 6	1. Begin reading Chapter 2 and start defining the terms

Choose to be successful this semester:

- Come to class:** get sleep, be ready for class and ready to work hard!
- Stay out in front:** don't get behind, it is always harder to try and catch up.
- Know your book:** if you get in a time crunch and can not read your chapter before class, then skim it and look at all the pictures/diagrams. Visual images are a proven way to remember concepts. The chapter summaries at the end of each biology unit hits all the key concepts.
- Get the easy points:** don't lose points because you forgot to do your homework or get a paper signed.
- Make time to memorize:** biology is like learning a new language, there are many terms. You will not be able to apply those terms if you don't know them! Use flash cards, form review groups etc... A visual image of the term might also be helpful...draw pictures of terms that are difficult to remember using conventional methods.
- Be prepared:** realize that luck is not a factor to your success. If you have a quiz or a test, PREPARE FOR IT! Everybody is different, you need to do what works for YOU, not your friend. Each section and unit has "book questions" that can be used as review. Take the time to actually complete and review your study guide. Below is a link to the online textbook used in C.P. Bio. The user name is: **GLNBIOCA07** The password is: **Pr0AXI9K** http://www.glencoe.com/sites/common_assets/science/ose/

7. **See me:** If you do not understand something in class, don't ignore it, it will not go away. See me in tutorial. *I WANT YOU TO DO YOUR VERY BEST!!!!!!*

HOMEWORK: C.P. BIOLOGY UNIT SIX

TERMS: CHAPTER 14 – DUE 2/1-4

1. fossil
2. paleontologist
3. relative dating
4. law of superposition
5. radiometric dating
6. half-life
7. Geologic time scale
8. Cambrian explosion
9. plate tectonics
10. spontaneous generation
11. theory of biogenesis
12. endosymbiont theory

TERMS: CHAPTER 15 – DUE 1/13-14

1. artificial selection
2. natural selection
3. evolution
4. derived traits
5. ancestral traits
6. homologous structures
7. analogous structures
8. vestigial structure
9. biogeography
10. fitness
11. mimicry
12. camouflage
13. Hardy-Weinberg Principle
14. genetic drift
15. founder affect
16. bottle neck
17. stabilizing selection
18. directional selection
19. dirruptive selection
20. sexual selection
21. prezygotic isolation
22. postgotic isolation
23. allopatric isolation
24. sympatric isolating
25. adaptive radiation
26. coevolution
27. convergent evolution
28. gradualism
29. punctuated equilibrium

TERMS: CHAPTER 17– DUE 2/20-21

1. classification
2. taxonomy
3. binomial nomenclature
4. genus
5. kingdom
6. phylum
7. class
8. order
9. genus
10. family
11. domain
12. phylogeny
13. characters
14. molecular clock
15. cladistics
16. cladogram
17. Eubacteria
18. Archea
19. Protists
20. Fungi
21. Plantae
22. Anamalia

OBJECTIVES UNIT FIVE

Chapter 14 – The History of Life

1. Describe the land environment and early atmosphere of primitive earth
2. Identify the different types of fossils, how they're formed, and what information they provide
3. Explain how sedimentary rocks are formed and why fossils are found in them.
4. Discuss the fossil record and relate it to relative dating and radiometric dating
5. Summarize the major events of the Geologic Time Scale.
6. Analyze early experiments that support the concept of biogenesis.
7. Compare and contrast modern theories of the origin of life.
8. Relate the hypothesis about the origin of cells to the environmental conditions of the early earth.

Chapter 15 - The Theory of Evolution

9. Discuss evidence that convinced Darwin that species could change over time
10. List the four principles of natural selection and show how this process could change a population
11. Distinguish among the types of evidence for evolution
- 12.

Chapter 17 – Organizing Life's Diversity

13. Evaluate the history, purpose, and methods of taxonomy
14. Explain the meaning the meaning of a scientific name and describe the organization of taxa in the biological classification system
15. Review, how evolutionary relationships are determined and explain how cladograms and fan models reveal phylogenetic relationships