

Pre-AP Biology – Taxonomy Test – Study Guide

The Taxonomy test will take place on Friday, October 23rd (single day test). The test will be multiple choice, true/false, identification questions, matching, fill in the blank, short answer and essay. (Short answer and essay questions should be answered in **complete sentences**, if you fail to do so you will not receive full credit.)

Use your notes packet as your primary source for preparing for the test. Much of the information for this unit is not covered in detail in the textbook. Read through the list of concepts and terms listed below from the notes packet. If you can recall the answer to the question right away, you should be able to do so for the test. Focus your attention on those concepts and terms that you do not remember or have difficulty with.

1. What is a cladogram and what does it show?
2. How does DNA aid us in classifying organisms, species, and groups of organisms?
3. What is a dichotomous key? How is it used? What is its format?
4. What is binomial nomenclature? Who invented it? Why?
5. Why/How are common names confusing? Give examples.
6. Know how to write a scientific name. Know how to properly format it.
7. How has the 6 kingdom classification system changed to become what it is today?
8. Know the characteristics and examples of each kingdom.
9. Why are bacteria in two different kingdoms?

Terms you should be familiar with:

classification	prokaryote, eukaryote	Domain
phylogeny	unicellular, multicellular	Kingdom
taxonomy	heterotroph, autotroph	Phylum (division)
taxon	dichotomous key	Class
evolutionary descent	Cladogram	Order
cladogram	Phylogenetic tree	Family
cladistics		Genus
Carl Linnaeus		species
binomial nomenclature	Chitin	
species, hybrid	Peptidoglycan	Know the 5-6 kingdom system
Aristotle		Monera
		Eubacteria
		Archaeobacteria
		Protista
		Fungi
		Plantae
		Animalia