

## Biology Lab Cladogram Answers

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### **Biology Lab Cladogram Answers**

Biology Cladogram Worksheets 4-18-12 ... \*Now open the link below and answer the questions regarding the 2 cladograms contained on this site. ... Cladistics Lab. Consider the following characteristics when designing your cladogram. The terms in bold should be included on your cladogram. Be sure all of your animals are arranged at the top of the ...

### **Biology Cladogram Worksheets 4-18-12**

What is a cladogram? It is a diagram that depicts evolutionary relationships among groups. It is based on PHYLOGENY , which is the study of evolutionary relationships.

### **Cladogram - The Biology Corner**

AP Biology Cladograms ... answer. a) A seal is more closely related to a horse than to a whale b) A seal is more closely related to a whale than to a horse c) A seal is equally related to a horse and a whale d) A seal is related to a whale, but is not related to a horse .

## **Cladistics**

The Big BLAST Lab! 10/4/2015 10 Comments Investigation 1 Exercise 1 Chimpanzees and humans share 96% of their DNA which would place them closely on a cladogram. Humans and fruit flies are placed farther apart on a cladogram since they share only approximately 60% of their DNA. ... Answer: The percentage of similarity in the protein is always ...

## **The Big BLAST Lab! - AP Biology Lab**

Using your knowledge of cladistics create a cladogram that represents how these animals are related. Cut out each of the animals illustrated below and glue them on a separate sheet of paper to create your cladogram. Consider the following characteristics when designing your cladogram. The terms in bold should be included on your cladogram.

## **Cladistics Lab - Biology Junction**

AP Biology Investigative Labs: Comprehensive Links. The following resources appear in the second printing of the AP Biology Investigative Labs: An Inquiry-Based Approach, Teacher Manual. General Overview; ... Cladogram Lab Activity. NOVA: The Missing Link (cladogram investigation)

## **AP Biology: Investigative Labs: Comprehensive Links | AP**

...

AP Biology Lab/Cladograms and Phylogenetic Trees Name \_\_\_\_\_ Relationship to the AP Biology Curriculum Framework Big Idea 1: The process of evolution drives the diversity and unity of life. Essential knowledge 1.B.2: Phylogenetic trees and cladograms are graphical representations (models) of evolutionary history that can be tested. ...

## **Essential knowledge 1.B.2: Phylogenetic trees and ...**

Cladogram analysis: The new species in the fossil would be branched off of the Crocodylians on the cladogram because the 4 genes that were analyzed provided evidence that supported my hypothesis. Gene 1 had a species that was a 100% match for gene sequence that was located with the birds on the cladogram.

## **Gotta Blast! - AP Biology Blog**

The final answers are underlined, if you have questions, please make sure to ask them in class. HW Problem Set Answer Key.pdf 269.44 KB (Last Modified on September 16, 2014) Comments (-1)

## **Janssen, Catherine / AP Biology Handouts**

Biology 164 Laboratory PHYLOGENETIC SYSTEMATICS Objectives  
1. To become familiar with the cladistic approach to reconstruction of phylogenies. 2. To construct a character matrix and phylogeny for a group of very unusual organisms. 3. To interpret the evolutionary history of traits based on a phylogenetic reconstruction. PART I. INTRODUCTION

## **Biology 164 Laboratory PHYLOGENETIC SYSTEMATICS**

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cladogram, close relationships are shown by a recent fork from the supporting branch. The closer the fork in the branch between two organisms, the closer is their relationship.

## **MAKING CLADOGRAMS: Background and Procedures Phylogeny ...**

Lab 1. Cladistics (Adapted from Biologyjunction.com) I. You are a scientist trying to determine the relationship between the organisms below. Using your knowledge of cladistics create a cladogram that represents how these animals are related. II. To help you better understand how to build a cladogram, watch this tutorial: III. Consider the following characteristics when designing your cladogram.

## **cladistics lab !!!!.dotx - Lab 1 Cladistics(Adapted from ...**

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In order to simplify the concept, we will be working with cladograms revolving around the invention of the telephone. The following cladograms will deal with the history of telephones from the first phones to today's modern cell phones. 1. First, we will consider the simple cladogram below, which shows the relationship between different

### **ACTIVITY: Telephone Cladograms - Mr. Doc's Online Lab**

Lab 1. Cladistics (Adapted from Biologyjunction.com) I. You are a scientist trying to determine the relationship between the organisms below. Using your knowledge of cladistics create a cladogram that represents how these animals are related. II. To help you better understand how to build a cladogram, watch this tutorial: III. Consider the following characteristics when designing your cladogram.

### **Lab 1 - Cladistics - Lab 1 Cladistics(Adapted from ...**

In this laboratory investigation, students will use BLAST to compare several genes, and then use the information to construct a cladogram. A cladogram (also called a phylogenetic tree) is a visualization of the evolutionary relatedness of species. Figure 1 is a simple cladogram.