Make A Cladogram Lab Answer

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Make A Cladogram Lab Answer

To make a cladogram, you must first look at the animals you are studying and establish characteristics that they share and ones that are unique to each group. For the animals on the table, indicate whether the characteristic is present or not. Based on that chart, create a cladogram like the one pictured above.

Cladogram - The Biology Corner

construct a cladogram, and properly interpret and analyze that cladogram in terms of how it shows common ancestry and degrees of evolutionary relationship. D. Procedure : Step 1 . Using your textbook and the explanations below, determine which of the characteristics each animal has.

MAKING CLADOGRAMS: Background and Procedures Phylogeny ...

How to Make a Cladogram: Nearly every biology student has heard of cladistics and cladograms, however, cladograms can be difficult to construct. This instructable will show you step by step how to make one, and how to avoid confusing derived traits with ancestral ones. Ha...

How to Make a Cladogram: 10 Steps - instructables.com

Cladogram 1. 1. After which animals did mammary glands develop? 2. What animal does not have jaws? 3. Which animals have lungs? 4. Which animals are probably predators? 5. After which animal did protection from the elements arise? 6. What other animals would come after the chimp? 7. Which animals would come before the hagfish? Cladogram 2. 1.

Biology Cladogram Worksheets 4-18-12 - Sault Schools

Systematics lab assignment answers. You will need a Scantron in lab for this assignment. Use the long one with 50 questions per side. It doesn't matter what color. This page includes questions about using phylogenetic trees in systematics. ... Make a cladogram based on the table below.

Systematics Lab Assignment - Brian McCauley

Use the character table to help construct the cladogram and answer the questions that ... (Analysis Obj. 3) According to the cladogram, ... Cladogram Worksheet - Beverly Hills High School

Answer Key For Cladogram Analysis - pdfsdocuments2.com

To show how one finds the best cladogram, we will do a simple example with only three species (plus an outgroup). For three species, there are only three possible pathways, shown in the three diagrams below.

Biology 164 Laboratory PHYLOGENETIC SYSTEMATICS

B. Make a branching tree, or cladogram using the data in Table 1. 1. The two most closely related species have the fewest differences in amino acid sequence. Place the two most closely related species on the two shortest branches of the tree. 2. Place the next two closest species on the next shortest branches.

Cytochrome C lab pt 2 - Indiana University Bloomington

Objective: Students will construct a cladogram using descriptions and information about 7 imaginary animals. Students will determine which traits are derived traits, and identify synapomorphy and automorphy of characteristics. Tips for constructing your cladogram 1. Use the times to determine the ...

Constructing a Cladogram - The Biology Corner

and cladograms. In this exercise, you will use hypothetical flies (see Lab 6 supplement) and construct a cladogram. You should construct your cladograms using Figure 7.2 (above) as an example. First you make a character state matrix and then you will make your cladogram Procedure:

BIOL 202 LAB 6 Cladistics & Animal Classification

molecular biology and phylogeny BACKGROUND : You have just completed an activity in which you made a cladogram showing the evolutionary relationships between seven organisms. The data used to draw that cladogram was based on shared characteristics that were inherited from their ancestors.

Lesson: Molecular Biology & Phylogeny
Classroom Activity for the NOVA program Missing Link, The: In Nailing Cladistics, students collect, analyze, and interpret information about objects in order to classify them in a cladogram.

NOVA Online | Teachers | Classroom Activity | Missing Link ...
Cladograms show evolutionary relationships among organisms. Comparative morphology investigates characteristics for homology and analogy to determine which organisms share a recent common ancestor. A cladogram will begin by grouping organisms based on a characteristics displayed by ALL the members of the group.

Essential knowledge 1.B.2: Phylogenetic trees and ...
Author: KONICA MINOLTA 920 Created Date: 20120605122537Z

www.anderson.k12.ky.us
Creating Phylogenetic Trees from DNA Sequences Summary This interactive module shows how DNA sequences can be used to infer evolutionary relationships among organisms and represent them as phylogenetic trees.

Creating Phylogenetic Trees from DNA Sequences | HHMI ...
branch make up a clade . 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 .

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