

Phylogenetic Trees

How do the changes in gene sequences allow us to reconstruct the evolutionary relationships between related species?

Why?

The saying "Don't judge a book by its cover," could be applied to the topic of evolution. For example, humans share 75% of their DNA with chickens. Biologists point to this as evidence that humans and chickens once shared a common ancestor. The advent of DNA technology has given scientists the tools with which to examine how closely related certain species are. DNA analysis allows scientists to construct phylogenetic trees whose branches link together the relatedness of different organisms.

Model 1 – Phylogenetic Trees



1. Refer to Model 1.
 - a. How long ago did the common ancestor of all the organisms on this phylogenetic tree exist?
35 mil.
 - b. Which two lines diverged 30 million years ago?
bear and panda
 - c. List all modern descendants of the organism that was alive at the point indicated by the asterisk.
every thing except
black and polar

Phylogenetic Trees Pogil Answers

Karin Nielsen-Saines



Phylogenetic Trees Pogil Answers:

Phylogenetic Trees Pogil Answers Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has are more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Phylogenetic Trees Pogil Answers**," written by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we shall delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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