

Lecture 15: Therapsid Transition

Terminology and Definitions: secondary palate, squamosal-dentary hinge, differentiated teeth, incisors, canines, premolars, molars, mammal-like reptiles, synapsid, therapsid, dicynodonts, dentary, articular,

People: none

Taxa: *Eryops*, *Lystrosaurus*, *Hadrocodium*

Dates:

During which time periods did therapsids exist?

Review Questions:

What are a few of the key characteristics that biologists generally use to differentiate between placentals, marsupials, and monotremes?

List at least 6 characteristics of mammals

Provide a few characteristics of dicynodonts. Which ones are important characteristics that link them to mammals?

Provide a few characteristics of cynodonts. Which ones are important characteristics that link them to mammals?

What evidence is there to suggest that cynodonts had hair on their bodies?