

Evolution Exercises



Bird Evolution Bird Search

Find the words below.

Words can be forward, up, down, and diagonal.



Tetrapod Amniota Sauropsida Synapsida

Diapsida Archosauria Avemetatarsalia

Dinosauria Saurischia Theropoda Maniraptora

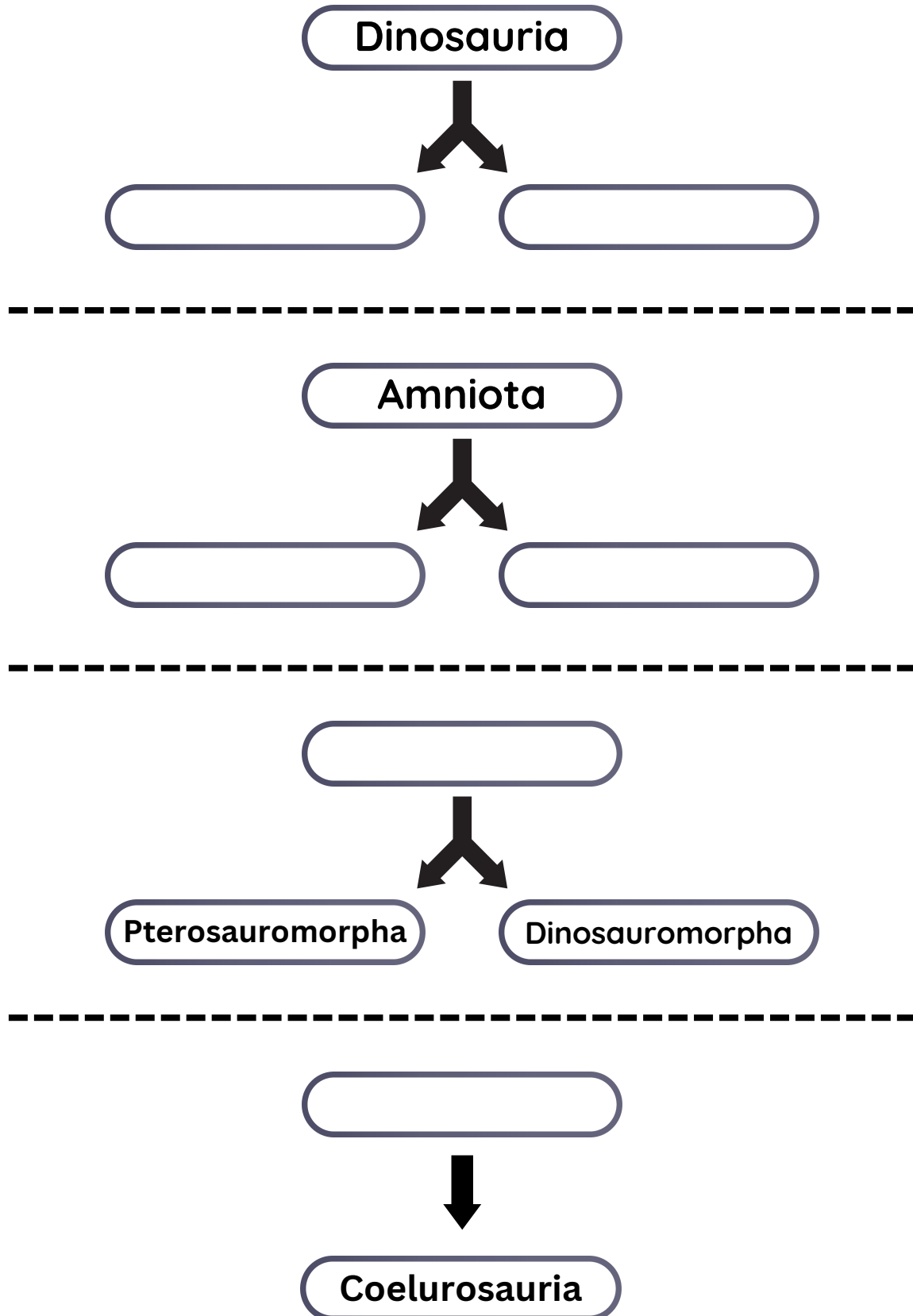
Paraves Avialae Ornithothoraces Aves



Evolution

Exercises

(Fill in the blanks in the Taxonomical Charts.)



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(Circle the correct answers)

Which came first? Avialae or Paraves?

- a.) Avialae b.) Paraves

Which came from Synapsids?

- a.) Plants b.) Reptiles c.) Fish d.) Mammals

Which came from Sauropsids?

- a.) Fish b.) Plants c.) Eureptilia d.) Mammals

A Theropod dinosaur will have how many toes?

- a.) Four b.) Two c.) Five d.) Three

(Fill in the correct answers)

_____ split from Archosauria due to having what is called a "Crurotarsal".



What is the term used for the pair of openings that formed on both sides of the skull in Diapsids? _____



Who is credited with inventing the term "Dinosaur" in 1841?



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(Circle the correct answers)

Which dinosaur was mistakenly depicted as a Velociraptor in the Jurassic Park movies?

- a.) Pachycephalosaurus b.) Compsognathus
c.) Deinonychus d.) Iguanodon

The group of dinosaurs whose name suggests a similarity to birds in their hip structure, but in reality, they are not closely related to birds?

- a.) Ornithurae b.) Ornithischia
c.) Pterosauromorpha d.) Synapsida

From which clade does the evolutionary divergence of birds and mammals begin?

- a.) Amniota b.) Diapsida
c.) Tetrapoda d.) Saurischia

Which is a diapsid reptile clade including all Archosaurs that are more closely related to birds than crocodylians?

- a.) Romeriida b.) Diapsida
c.) Amniota d.) Avemetatarsalia

From which clade does Archaeopteryx descend?

- a.) Synapsida b.) Pterosauromorpha
c.) Avialae d.) Ornithischia



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Can you name one Order of Aves?

Can you name two?

Can you name one of the periods during the Paleozoic era?

Can you name one of the periods during the Mesozoic era?

Number the taxonomical ranks 1-8 with 1 being the oldest
and 8 being the most recent?

Phylum ___ Species ___ Family ___ Class ___

Kingdom ___ Genus ___ Domain ___ Order ___

**A Clade refers to a collection of organisms that share a
common ancestor and all of its direct descendants on a
phylogenetic tree.**

True or False



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(Circle the correct answers)

Sympatric Speciation occurs when birds are separated by a physical barrier, such as a river or a mountain.

True or False

What does Ornithischia mean?

- a.) Bird Foot b.) Study of bird bones
c.) Study of Birds d.) Bird Hip

Which came first?

Dinosauria or Archosauria

Which came first?

Theropoda or Enantiornithes

Which group of theropod dinosaurs, emerged during the Middle Jurassic period. This group includes both extinct dromaeosaurids and avialans, which gave rise to the vast array of modern birds that exist today

- a.) Avemetatarsalia b.) Ornithischia
c.) Paraves d.) Coelurosauria

