Evolution Thought Trail Exercise

Developmental Adaptations in Frogs

Which of these statements is false?

a) All frogs begin their lives in water as tadpoles
b) There are more than 6000 species of frogs and toads (Anura)
c) In some species, male frogs care for the eggs
d) Humans and mice are more closely related than Xenopus and Coqui frogs
Evolution Thought Trail Exercise

Evolutionary Relationship of Frogs

Common Ancestor of Amphibians & Mammals

371 Mya

Common Ancestor of Frogs

212 Mya

Bullfrog & Coqui Common Ancestor

150 Mya

Direct Development (no tadpole)

92 Mya

Mouse & Human Common Ancestor

0

Millions of Years Ago

Bullfrog
Credit: Konstantin Papushin

Coqui
Credit: Angel A. Acevedo

Xenopus
Credit: Matt Reinbold

Mouse
Credit: AJ Cann

Human
Credit: Victor Bezrukov

Source: TimeTree (http://timetree.org)