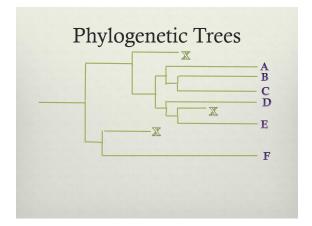


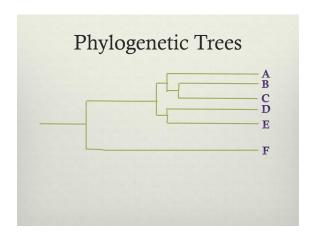
# Amphibian Characteristics "Tetrapod vertebrates that pass through a larval state and undergo metamorphosis into terrestrial adults." Anamniotes - Eggs need moist environment Larval; metamorphosis - Permeable Skin - Cutaneous respiration - Two Gland Types - Mucous - Poison - Pedicellate Teeth - Amphibian papillae/Opercular bone - Can Hear Vibrations - Fat Bodies - Green Rods- fxn unknown - Singular Sacrum - Lost in caecilians

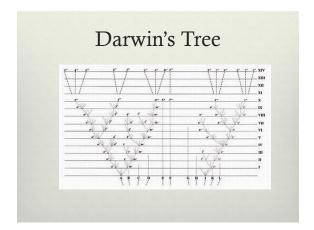
## Amphibian Characteristics As a Fossil... Articular surface of axis convex Exoccipital Bone articulates with dermal roofing Hand (Manus) 4 digits Foot (Pes) 5 digits Some Secondarily Lost Important to determine for fossil realtionships

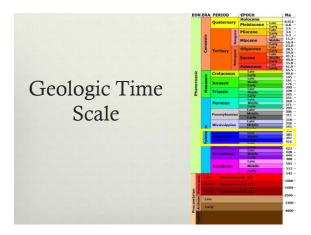


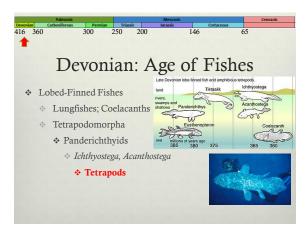


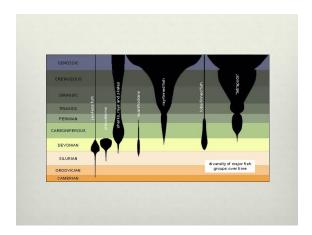


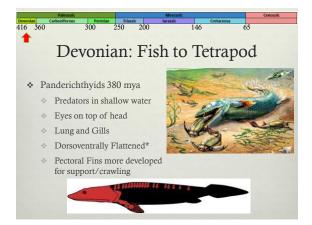


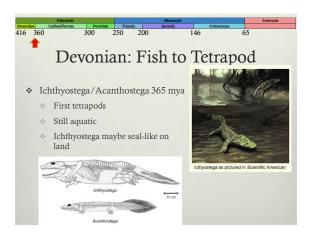




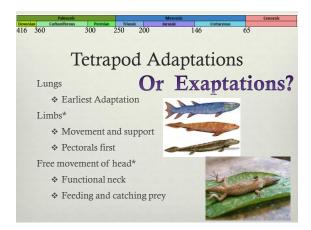


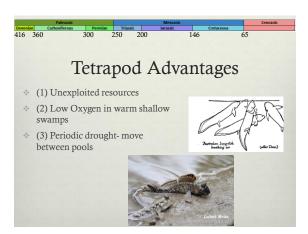




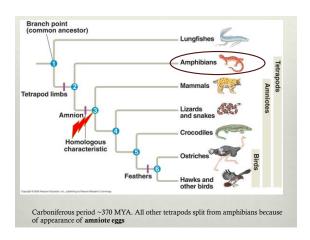


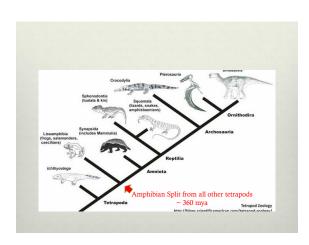
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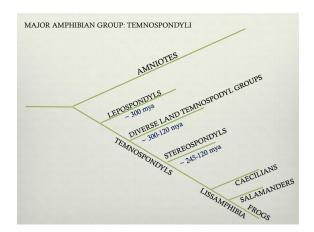


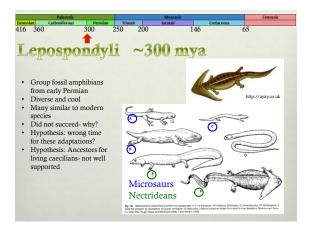


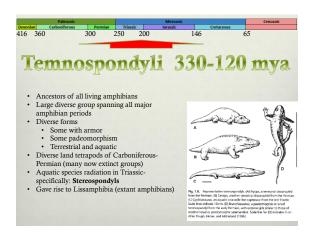


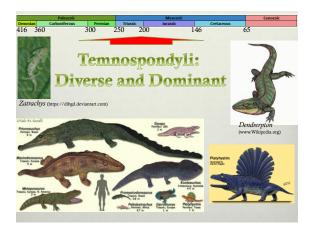




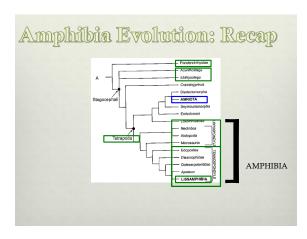


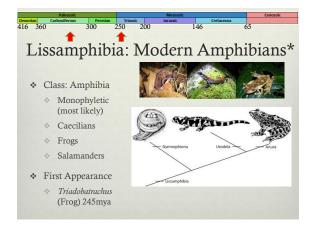


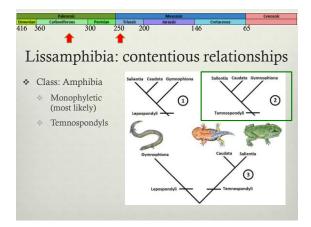


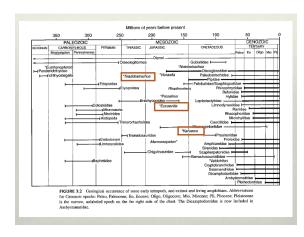


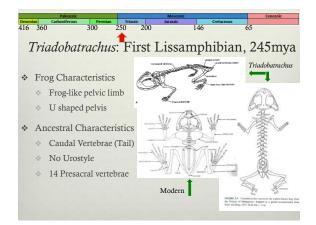


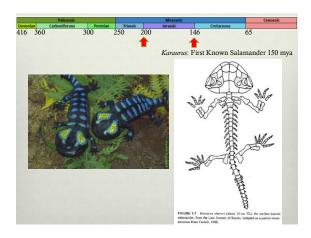


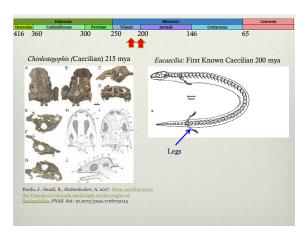


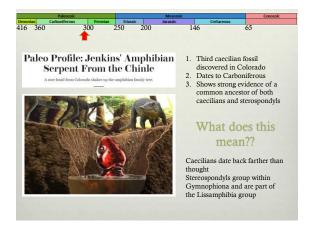


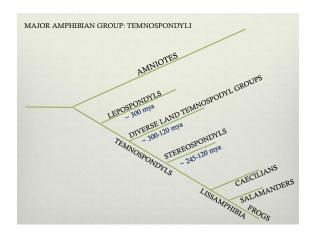


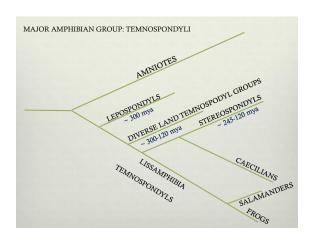


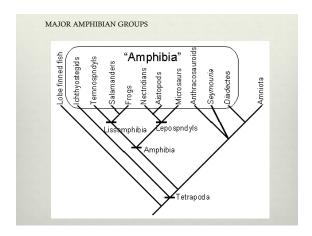


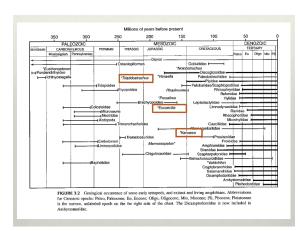












## Recap \* What period is considered "age of the fishes"

	Recap		
*	Which specimen linked the fish-like limb with a weight-bearing limb?		

### Recap

- Which of the following is the first known Lissamphibian?
- \* A. Triadobatrachus
- \* B. Eucaecila
- . C. Karaurus

### Which of the following groups include modern amphibians?

- Lepospondylii
- Ceolacanths
- \* Temnospondylii
- \* Nectrideans


Which vertebrates are not considered tetrapods?	
❖ Which are?	
<ul> <li>True or False: Weight-bearing limb development was a result of selective pressure for animals to live on land during drought.</li> </ul>	-
Policiais	
Extant (Living) Amphibians	
Anura (frogs and toads)         Gymnophiona (caecilians)         Caudata (salamanders)           # families: 55         # families: 10         # families: 10           # genera: 437         # genera: 33         # genera: 68           # species: 6881         # species: 207         # species: 710	
The total number of amphibian species is currently 7,087 (Jan-16, 2013)	
The total number of amphibian species is currently 7,087 (Jan-16, 2013)  The total number of amphibian species is currently 7,231 (Jan-21, 2014)  The total number of amphibian species is currently 7,384 (Jan-12, 2015)	
The total number of amphibian species is currently 7,798 (Jan 22, 2018) Source: Amphibiaweb.org	

