

# Thursday, May 9, 2019

Your Learning Goal: SWBAT engage in the QFT process to investigate ancient fish species and analyze patterns of evolved characteristics.

Transitions- 47 L + R

Catalyst 47 L:

- What **observations** and **inferences** can you make about the image?



## Homework:

Digital rock dating  
assessment

Due Sunday Night 5/12



## Agenda:

- QFT Process
- Data Table + Timeline
- Great Transitions

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<u>Date</u>	<u>Assignment</u>	<u>Pg #</u>
4/23/19	Condor Genetics	45L + R
5/2/19	The Fossil Record	46 L + R
5/9/19	Transitions	47 L + R

5/9/19

Catalyst:

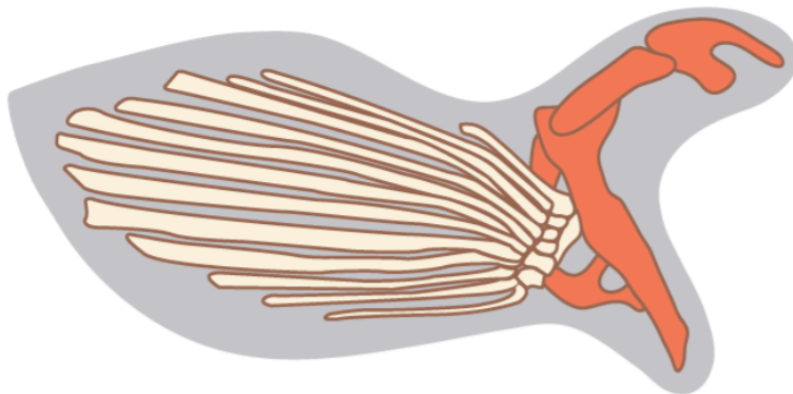
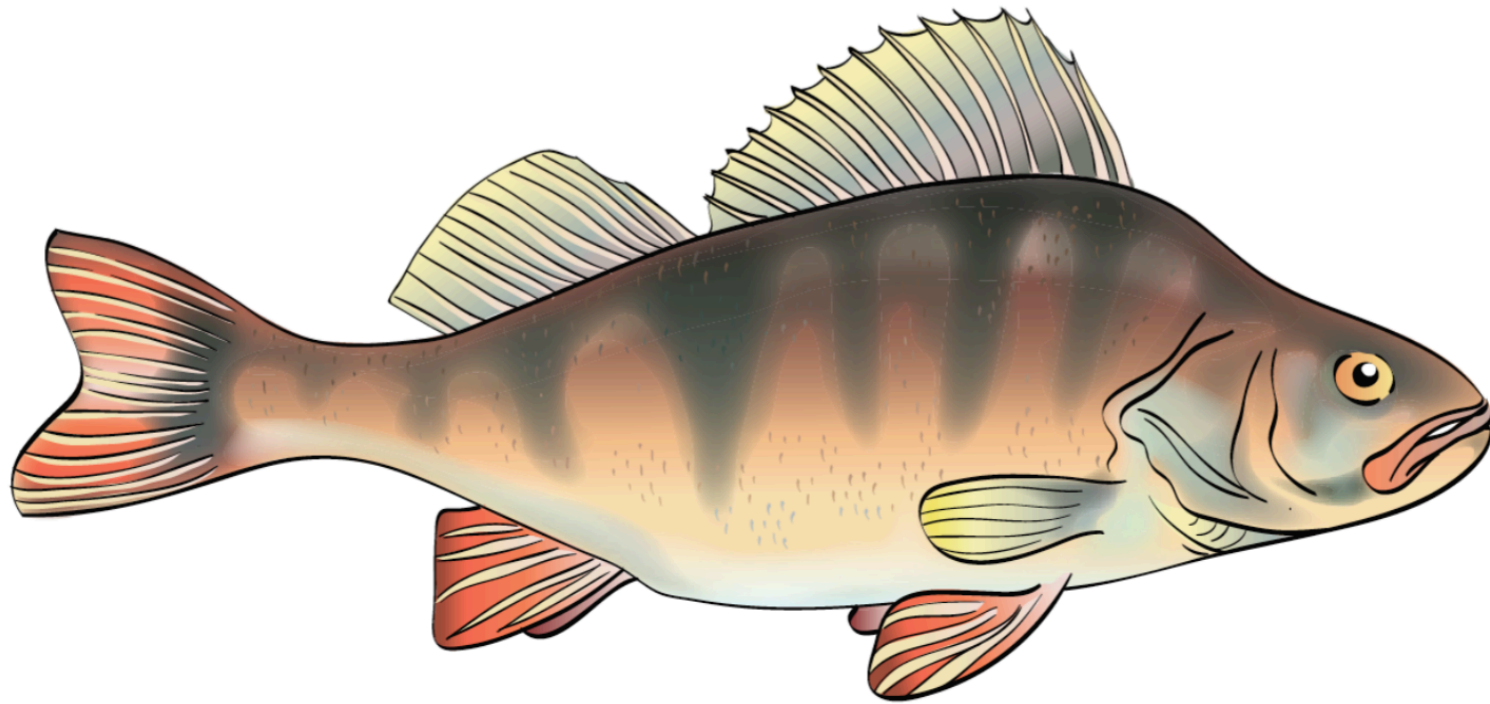
What **observations** and **inferences** can you make about the following image?  
(Name 2 of each minimum)

LEAF:

Transitions

47L

47R



What **observations** and **inferences** can you make about the following image?

(Name 2 of each minimum)

**47 L**

# Focus Question

- What does the **fossil** record tell us about life on Earth?

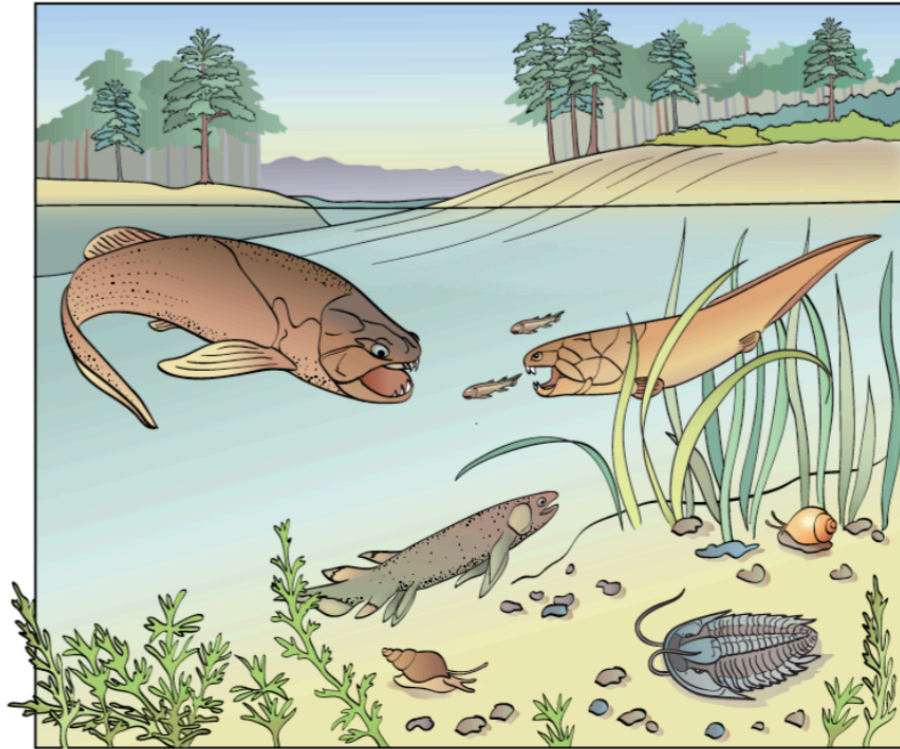


# QFT

**Examine the 4  
ancient fish species**

- Ask as many questions as you can
- Do not stop to discuss, judge, or answer any questions
- Write down every question exactly as it is stated

## THE AGE OF FISHES.....

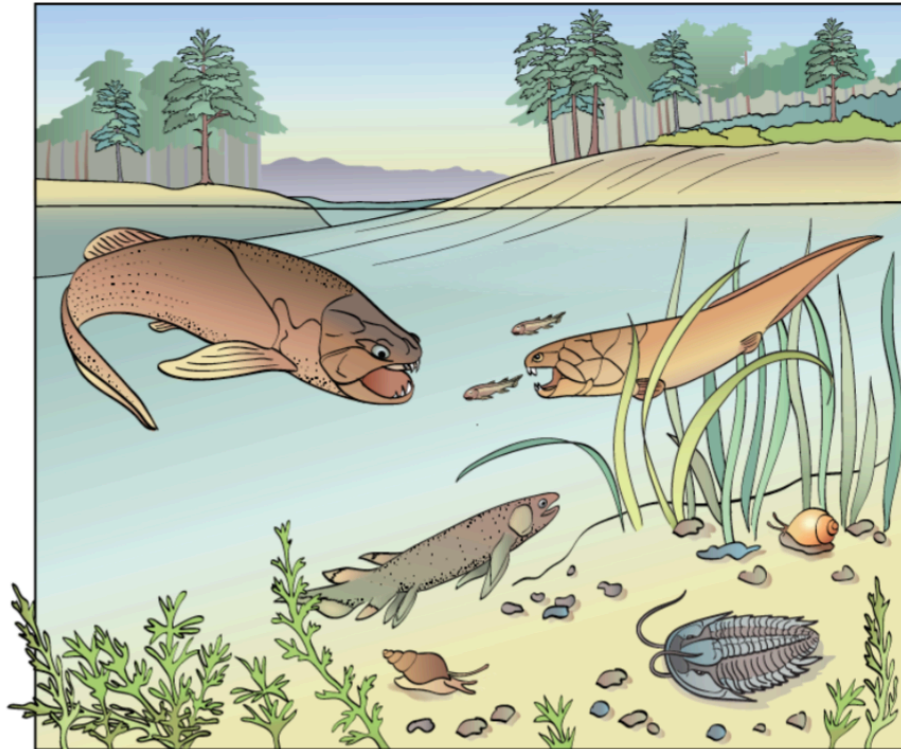


The Devonian period  
419–359 million years ago

# QFT

- Prioritize your three most important questions
- Review your list and identify the closed-ended questions with a “C” and the open-ended with an “O.”
- Practice changing questions from one type to another

## THE AGE OF FISHES



The Devonian period  
419–359 million years ago

5/7/19

Catalyst:

What **observations** and **inferences** can you make about the following image?  
(Name 2 of each minimum)

LEAF:

Transitions

Create Table Here

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**47L**

**47R**



<b>Organism</b>	<b>Time Period</b>	<b>Habitat</b>	<b>Length</b>	<b>Fins/Limbs</b>
<b>Lungfish</b>				
<b>Eusthenopteron</b>				
<b>Acanthostega</b>				
<b>Pederpes</b>				

**47 R**

# Fish With Fingers



<https://ca.pbslearningmedia.org/resource/tdc02.sci.life.evo.fishfingers/fish-with-fingers/> (copy and paste link to locate video)

5/7/19

Catalyst:

What **observations** and **inferences** can you make about the following image?  
(Name 2 of each minimum)

LEAF:

**47L**

Transitions

Create Table Here

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Create Timeline Here

**47R**

# Create your Fish Ancestor Timeline



**47 R**

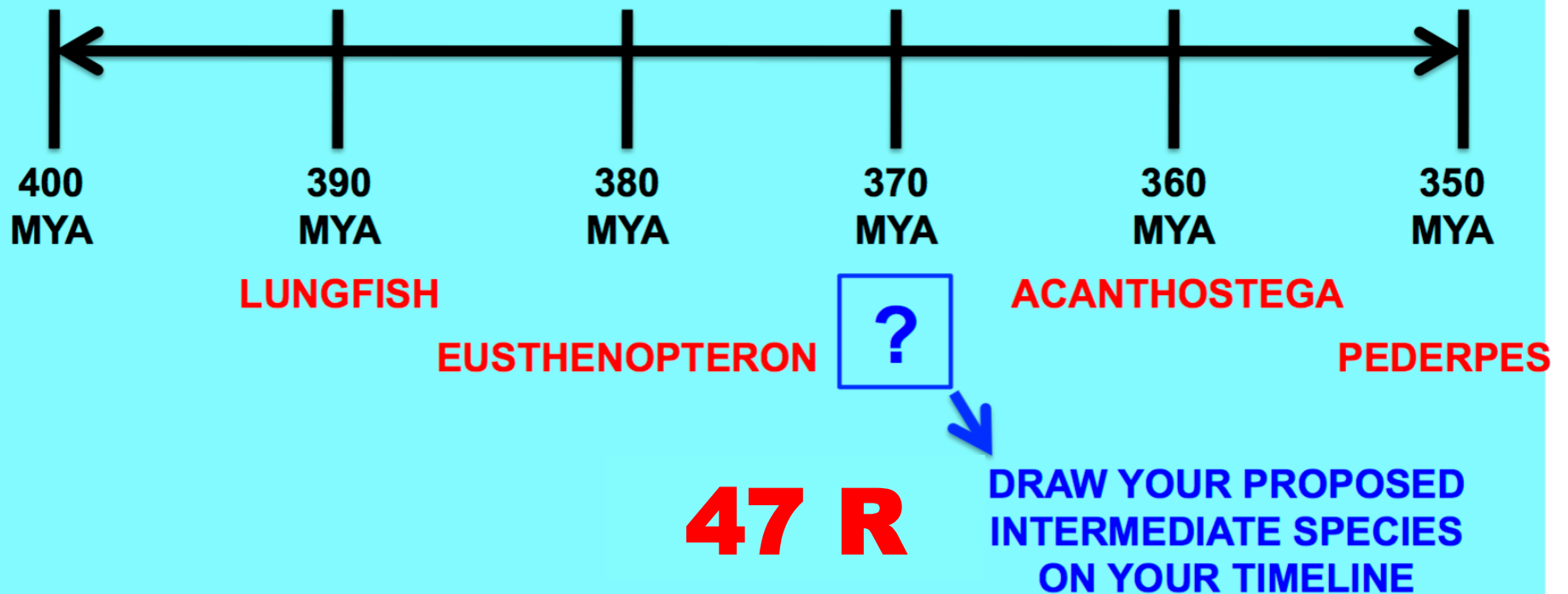
# Great Transitions



<https://www.hhmi.org/biointeractive/great-transitions-origin-tetrapods>

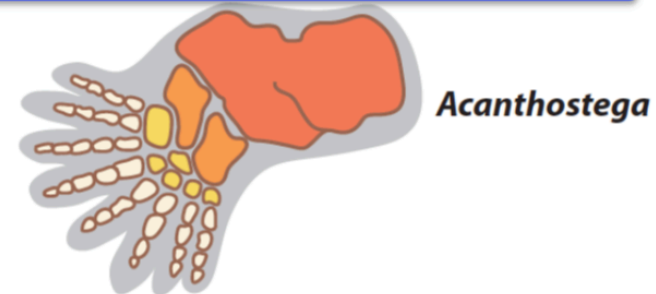
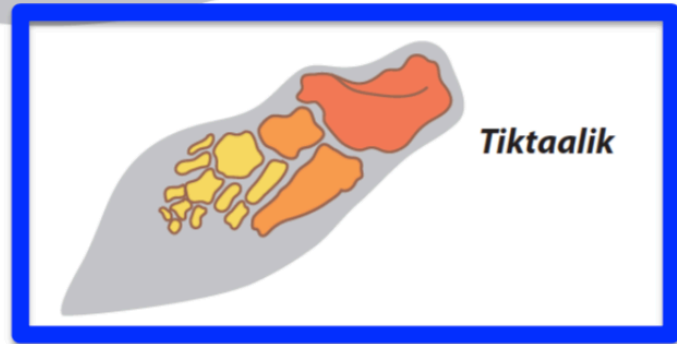
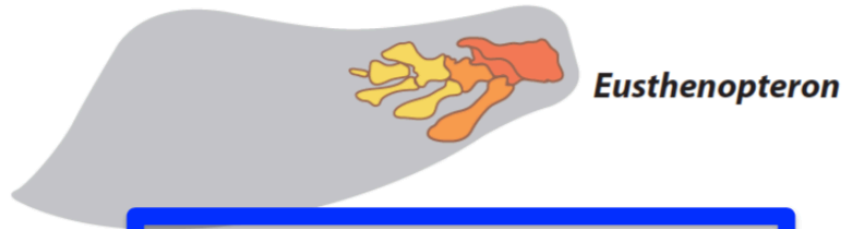
(copy and paste link to locate video)

# Create your Fish Ancestor Timeline



# The Missing Link: Tiktaalik

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## Catalyst:

What **observations** and **inferences** can you make about the following image?  
(Name 2 of each minimum)

## LEAF:

What did the fossils of ancient fish species tell us about history of Earth?

The fossils of ancient fish species told us that ....

**47L**

5/7/19

## Transitions

Create Table Here

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Create Timeline Here

**47R**