

Name: _____

Tiktaalik and the Theory of Evolution

2.3.1 - Research a question and generate a conclusion by evaluating scientific literature (including both written text and visual displays).

Directions: Follow the steps below to complete the activity.

1. Type the following web address into your browser:

<http://tiktaalik.uchicago.edu/meetTik.html>

2. Read the following pages: Page 1 - Meet Tiktaalik, Page 2 - Fish and Tetrapod Characteristics, and Page 3 - Could Tiktaalik Walk or Live on Land?

3. After reading pages 1 - 3, write a summary of what you now know about Tiktaalik in the space provided below.

4. Type the following into a new tab in your browser:

<http://tiktaalik.uchicago.edu/video.html#top>

5. Watch the “Finding Tiktaalik” video found on this page.

6. Returning to the web address found in step #1, read: Page 4 - The Search For Tiktaalik, Page 5 - The Search For Tiktaalik (gap in the fossil record), Page 6 - The Search For Tiktaalik (How do you find the right age rocks?), Page 7- Our Search Brought Us to The Canadian Arctic, and Page 8 - Fossil hunting takes months of careful planning

7. Returning to the web address found in step #4, watch the “Bringing Tiktaalik Home” video.

8. Open the “Evidence of Evolutionary Theory PPT” found on Moodle (under PS 2.0).

9. Read through the information.

10. Using all the information you collected from steps 1-9, answer the following question. Be sure to include the sources you used to draw your conclusion, and support your answer with evidence from the sources listed (i.e. provide evidence!).

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Question: Do you think the Tiktaalik fossil can be used to support the theory of evolution? If **so**, explain what evidence the Tiktaalik fossil provides to support the theory. If **not**, explain how the Tiktaalik fossil is irrelevant to the theory of evolution.

Conclusion:

(Note: If you think you will need more space, please write on a separate sheet of paper)

Sources: Create a list of the sources you used to generate your conclusion below by creating the correct MLA citation. Next, indicate what makes this source a credible source.

1.

What makes this source credible? _____

2.

What makes this source credible? _____

3.

What makes this source credible? _____