

Evolution Evidence Project

Part 1:

You will be researching examples of evolutionary evidence in one of the following areas: **comparative anatomy/homology, embryology, molecular biology, paleontology (fossils), and biogeography**. You will create a detailed list of 5 examples for your discipline of science and present your findings in a mini poster session.

You are responsible for recreating the provided graphic organizer for 5 pieces of evidence for evolution. Remember to **document all resources** with the full web address at the bottom of your chart. You must then pick 2 of the best examples and create a poster with the folder provided (pictures need to be included on the poster or on your ipad). You will present your **2 of your best examples** along with a brief description of your question of interest in a 5-8 min presentation. You will be writing down the examples from the presentations you hear.

Evidence Example	Thorough description of the evidence and brief history of the discovery of the evidence (date, person who discovered it, ect.)	Justification – Why is this evidence used to support the theory?

Part 2:

Each person will pick a question from the list provided or create their own to research. Pick a topic that you are interested in learning more about. **Write an explanation to your question using at least 2 pieces of evidence and then post it to Schoology**. Document your resources at the bottom of your paragraph.

For examples of how to write up your pages look at the following webpage:

<http://wshsscience.edublogs.org/biology/science-personal-belief-wiki-project/group-1-home-page/>

Grading Rubric

Science Discipline = _____	Points Possible	Points Earned
Part 1: <ul style="list-style-type: none"> • List 5 relevant examples in your science discipline and describe each example completely and thoroughly • Describe the justification for each evidence to evolution • Poster includes 2 examples, significance, and pictures • Notes from other science disciplines examples 	30 25 5 10	
Part 2: <ul style="list-style-type: none"> • State your question at the top of your discussion and include at least 2 pieces of scientific evidence that support the answer to the question in your paragraph 	30	

Total = 100

*****If references are not listed, then it will result in a grade of zero for that portion of the project*****

Sample questions for Part 2:

1. If prehistoric animals were alive today, would the human species still be alive?
2. Are humans affecting the evolution of fish?
3. How did life on Earth start?
4. How would the world be without evolution?
5. Is evolution affecting all species of life today?
6. Why is evolution important to scientists?
7. How did animals evolve the ability to communicate?
8. What are the most important driving factors of evolution?
9. How does evolution affect our lives?
10. Natural selection – survival of the fittest or the wealthiest?
11. How did modern animals evolve?
12. Are humans still evolving today?
13. If humans evolved from a common ancestor of apes, how did it happen?
14. Will apes evolve into human-like creatures?
15. Is evolution compatible with a belief in God?
16. How did the Neanderthals go extinct?
17. How were the lives of early humans different from our lives today?
18. How did fish evolve the ability to change sexes?