

Layered Curriculum – Evolution and Genetics

C Level Assignments

You must complete 40 points in this section

Assignments	Possible	Earned
1. Take notes from homologous/analogous reading.	5	
2. Define homologous structure and common ancestor.	5	
3. Draw 1 example of a homologous structure pair and 1 example of an analogous structure pair and briefly explain each and what makes them different.	10	
4. Illustrate the 3 type of plate boundaries and explain their differences.	5	
5. Draw a picture of the law of superposition and explain it in your own words. Include at least 5 layers, include at least 1 fault and 1 igneous rock intrusion.	10	
6. Define absolute age and relative age and give an example of each.	5	
7. Make a list of the three ways genetic variation helps an organism stay alive.	5	
8. Draw an example of a behavioral adaptation and briefly explain what makes it a behavioral adaptation.	10	
9. Make a list of at least 5 structural adaptations an animal may use to help it survive.	5	
10. In 5 sentences, explain how the geologic time scale is used as a piece of evidence for evolution.	10	
11. Select 2 behavioral adaptations an animal may use to help them survive and explain why those adaptations would be helpful.	5	

B Level Assignments

You must complete 20 points in this section

Assignments	Possible	Earned
1. Create 1 simile (uses “like” or “as” -example “her heart is like ice”) OR metaphor (example, “she has a heart of gold”) for each homologous and analogous structures. (2 total)	10	
2. Create a sentence chain connecting evolution, natural selection, and fitness.	10	
3. Create a venn diagram that compares and contrasts genetic variation and mutation, including a definition and picture for each.	10	
4. Create a scenario that demonstrates the differences between natural selection and survival of the fittest.	10	
5. Create a graphic organizer like a concept map (spider map) or table that identifies and explains the evidence used to support the theory of evolution.	10	

A Level Assignments

You must complete 20 points in this section

Assignments	Possible	Earned
1. Create 5 multiple choice test questions. You must explain the answer to each question and explain why every other answer choice is incorrect.	20	
2. Make an original diagram, flow chart, or graphic organizer showing all the concepts we have studied about Evolution & Genetics (Theory of Continental Drift, rock dating, extinction, homologous and analogous structures, adaptations, natural selection, evolution, survival of the fittest). Must have color and must be creative.	20	

Total points: _____ /80