Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_- Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Core: \_\_\_\_\_\_\_

Layered Curriculum – Evolution and Genetics

C Level Assignments

Complete **70** points worth in this section

You must do one from each standard

|  |  |  |
| --- | --- | --- |
| Assignment | Possible | Earned |
| 1.Take notes from Coach book pages 180 - 182 8L.4 | \*15required |  |
| 1. Define homologous structure and common ancestor 8L.4 | 5 |  |
| 2. Draw an example of a homologous structure pair and briefly explain what makes it homologous. 8L.4  | 10 |  |
| 3. Illustrate the 3 type of plate boundaries (convergent….) 8E.2 | 5 |  |
| 4. Draw a picture of the law of superposition and definition 8E.2 | 10 |  |
| 5. Define absolute age and relative age and give an example of each 8E.2 | 5 |  |
| 5. Make a list of the three ways genetic variation helps an organism stay alive. 8L.4 | 5 |  |
| 6. Draw an example of a behavioral adaptation and briefly explain what makes it a behavioral adaptation 8L.4 | 10 |  |
| 7. Make a list of at least 5 structural adaptations on animal may use to help survive. | 5 |  |
| 8. In 5 sentences explain the how the geologic time scale is used as a piece of evidence for evolution 8.E.2 | 10 |  |
| 9. Make a list and explain two behavioral adaptations an animal may use to help them survive. | 5 |  |

B Level Assignments

You must complete 20 points in this section

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| --- | --- | --- |
| Assignments | Possible | Earned |
| 1.Create a Venn Diagram or T-chart that compares and contrasts homologous and analogous structures | 10 |  |
| 2.Create a sentence chain connecting evolution, natural selection and fitness together | 10 |  |
| 3.Creat a Venn Diagram or T-chart that compares and contrasts genetic variation, mutation, which has a definition and picture for each. | 10 |  |
| 4.Create a model the demonstrates the differences between natural selection and fitness | 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 10 points in this section

|  |  |  |
| --- | --- | --- |
| Assignment | Possible | Earned |
| 1.Create 5 multiple choice test questions that are not knowledge based but application based. You must explain the answer to each question and explain why every other answer choice is wrong. | 10 |  |
| 2. Make an original diagram, flow chart, or graphic organizer showing all the concepts we have studied about Evolution & Genetics (Theory of Continental Drift, evidences, rock dating, extinction, homologous and analogous structures, adaptations, natural selection, evolution, survival of the fittest? Are connected to the big idea that life forms have become more complex throughout Earth’s history. Must have color and must be creative. | 10 |  |

Total points: \_\_\_\_\_\_\_\_\_\_\_/100