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| **Unit 6 Homework:** **U6HW1-Handout** | Monohybrid Practice Problems |
| **U6HW2** | Single Gene Disorder Flash Cards/Chart: Include the following disorders: Cystic Fibrosis, Sickle Cell, Huntington’s, Colorblindness, Hemophilia. Describe how each disorder is inherited and effects. |
| **U6HW3** | Genes and the environment. **Question 1:** Hydrangeas have genes that control their color. In basic soil they produce blue flowers. In acidic soil they produce pink flowers. What does this example tell you about genetic and environment interactions? **Question 2:** Using the example in #1, explain the environmental/genetic connection for the disorder PKU and skin cancer. |
| **U6HW4-Handout** | Special Inheritance Problems |
| **Unit 7 Homework:****U7HW 1** | **Question 1**: Compare and contrast Lamarck and Darwin’s theories of natural selection **Question 2**: What evidence did Darwin use to determine evolutionary relationships? |
| **U7HW 2** |  Make a concept map that shows how natural selection leads to speciation. Try to include the following terms: evolution, natural selection, genetic variation, environment, speciation and divergence (make sure you indicate how these terms are related) |
| **U7HW3** | **Question 1:** Compare and contrast innate and learned behavior and give examples of each. **Question 2:** Make a chart of the followingbehaviors: communication, territorial defense, and courtship. Give an example of how animals use each and what purpose each behavior serves. |
| **Unit 8 Homework:** | **This Unit is very busy. Instead of homework, you'll work on completing the immune system and Microorganisms Book at home** |
| **Unit 9 Homework:** | **This Unit is also very busy. Instead of homework, you’ll work on completing the animal chart at home** |
| **Unit 10 Homework:****U10HW1** | **Question 1:** Is a population growth model based on exponential growth more or less realistic than a logistic model. Explain your answer. **Question 2:** Make a concept map that shows the relationship between limiting factors, carrying capacity, abiotic factors, biotic factors  |
| **U10HW2-HANDOUT** | Predator/Prey Graph Worksheet |
| **U10HW3** | **Question 1:** Use the following food chain: algae, zooplankton, fish, and heron; construct an energy pyramid showing the percentage of energy available at each level. **Question 2:** List the ways that carbon is put into the atmosphere. How does this differ from how carbon is removed from the atmosphere? |
| **U10HW4** | **Question 1:** Compare and contrast the destruction of the ozone layer and the greenhouse effect. Be sure to include cause and effects. |
| **U10HW5** |  **Question 1:** Make a chart using the following: Beach erosion, Habitat Destruction for Urban Development, Acid Rain, Kudzu as an invading species, and Pollution from Hog Waste. For each include what causes the problem and the effect on ecosystems. **Question 2:** How does the increasing human population worsen the problems listed above? |