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| **Homeostasis in The Critter**  **DUE: Tuesday, December 16th 2014** | | | | | |
| **Student Name:** | | **Score:** | | | |
| As discussed in class, if you still have not created a critter, you need to create one and complete the first essay. You will be graded out of 50 points for the first critter assignment. You will then use the critter you created to complete this, and all future critter assignments.  In this assignment, you are going to discuss the various environmental stresses that your critter must deal with to maintain homeostasis. | | | | | |
| **Category** | **Scoring Criteria** | | **Points** | **Student Evaluation** | **Teacher Evaluation** |
| **Introduction**  **Habitat overview 20** | Background information is provided to establish the importance of the project.  This information should clearly summarize your understanding of homeostasis in living organisms. (>5 sentences) | | **10** |  |  |
| A thesis statement that states the project’s objective & *does not begin with "this project is about" or the objective of this project is…* You know what I mean. If not, ask. | | **5** |  |  |
| **Explanation**  **40** | A paragraph describing your critter’s habitat and how it interacts with that habitat to maintain homeostasis. (Example: bears hibernating in caves during winter) | | **10** |  |  |
| A paragraph relating your critter’s diet, food obtaining/eating abilities, and homeostasis. (Example, a camel can spend days without having any thing to eat or drink.) | | **10** |  |  |
| A paragraph describing how your critter regulates internal temperature on a daily basis in response to heat or cold. (Example: fur to keep warm or skin pores to release heat)  How are at least two systems interacting to adjust your critter’s internal temp? | | **10** |  |  |
| A paragraph describing your critter’s interaction with a predator or a prey. (Example: An eagle swooping down and biting off the tail of a mouse when trying to grab it.)  What type of imbalance occurred during the interaction? How did your critter restore balance? | | **10** |  |  |
| **Conclusion**  **10** | Summary of your understanding of homeostasis in general and homeostasis in your critter. | | **10** |  |  |
| **Mechanics**  **10** | Paper is properly formatted, free of grammatical and spelling errors, and thoughts flow together smoothly and concisely. | | **10** |  |  |
| **Critter Drawing**  **20** | A picture or drawing of your critter restoring balance. Include a caption to describe the process of maintaining homeostasis. This should be creative and self-generated. | | **20** |  |  |
| **Self-evaluation**  **5** | Self-evaluation is attached to the final draft. If the difference between the student evaluation and Ms. Gately’s evaluation is more than 10 points, 5 points will be deducted from the final score when the grade is recorded. | | **5** |  |  |
| **Score** | **Total Points** | | **100** |  |  |