**Building the Ideal Species**

Could you make the ideal species for an environment? By combining different adaptations that are favorable for an environment, you will be creating an "ideal" species for a given environment. You will create a drawing of your species and write an explanation as to why your species would need to look that way. You will also explain which adaptations your “ideal species” would have based on the conditions you select.

For each number listed below, pick a letter A, B, C, D, or E and write it down in the “chosen letter” column. You may repeat letters or not use letters at all (Example: you can choose to write the letter "A" next to all 5 numbers or never use A at all). Ms. Keener will then read the conditions that correspond to those letters and numbers. Fill in your factor conditions in the “factor conditions” column.

|  |  |  |  |
| --- | --- | --- | --- |
| Number | Chosen Letter | Factor | Factor Conditions |
| 1. |  | Climate |  |
| 2. |  | Terrain |  |
| 3. |  | Predators |  |
| 4. |  | Food |  |
| 5. |  | Biggest Threat to Survival |  |

Once you have identified the environments and other information for your species, you must decide which adaptations would be suitable for those conditions. The more favorable the adaptation, the more likely the species will survive and reproduce. You must then show how these adaptations will be apparent on their species. You should draw your ideal species for the environment and explain what those adaptations are and why they are desirable for that situation.

**A Drawing of My Ideal Species**:
(Be sure to include arrows and explanations as to why to drew your species in that manner. Example- If your species needs to be camouflaged, draw an arrow to the color you chose explaining why that color is a good choice for camouflaging your species.)

**A Day in the Life of My Ideal Species:**
In the space provided, write a short story about a day in the life of your ideal species. This is where you will justify the choices of adaptations that you made for your species. Example: If you made camouflage one of your species adaptations, you need to include how it was helpful that day to your species. Did it prevent your species from being preyed upon? How? Be creative! You must include all five adaptations in your story.