Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Organism Niche Mini-Project:

You will have a choice to complete one of two assignments to show your understanding of the relationships within ecosystems that we have discussed. There will be some time to work on this activity in class, but you will most likely need to complete some work at home.

**Option 1: Modelling a Food Web**

For this assignment, you are asked to create a diagram to illustrate the food web found in a particular ecosystem.

You will need to:

* Divide your diagram into four niche types, as shown on page 36 of your textbook
* Choose an ecosystem from page 37 or 38
* Create a label for each organism and sort them into their appropriate niche, (omnivores are classified as both herbivore and carnivore)
* Once all the organisms are glued to their correct niche roles, draw a line connecting organisms with their food source
* You are also asked to decorate your diagram with a title and some pictures, (drawn, printed, or clipped from magazines)
* Please add COLOUR!

|  |  |  |  |
| --- | --- | --- | --- |
|  | Content | Appearance/Organization | Neatness/Effort |
| 5 | The included information is accurate, complete, and clear. | Your poster is very attractive, well laid out, and organized. The images are creative and colourful. | There is obvious attention to detail in your work. You made full use of your time in class. |
| 4 | The included information is accurate and complete. | Your poster is attractive, well laid out, and organized. The images are colourful. | There is good attention to detail in your work. You made good use of your time in class. |
| 3 | The included information is mostly accurate and complete. | Your poster is quite attractive and there is some organization and colour in the presented images. | There is attention to detail in your work. You made use of your time in class. |
| 2 | The included information has some errors and does not have all the included species. | Your poster is a somewhat unorganized and unclear. There is not much colour on your images. | Your poster is somewhat messy. You made some use of your time in class. |
| 1 | There are many errors in your information and many species were left out. | Your poster is unorganized and unclear. There is little to no colour on your images. | Your poster is messy and has not been well cared for. You did not use your time in class well. |

Total: /15

**Option 2: Case Study on a Symbiotic Relationship**

For this assignment, you will be creating a poster detailing the symbiotic relationship between two different species.

You will need to:

* Find and research a symbiotic relationship between two different species
* Describe each organism (name, where it lives, what it eats)
* Explain what type of relationship it is (parasitism, mutualism, or commensalism)
* Describe the relationship in a short ~5 sentence paragraph
* You are also asked to decorate your diagram with a title and some pictures, (drawn, printed, or clipped from magazines)
* Please add COLOUR!
* Finally, you will need to cite all your sources using MLA (remember to use the library resource <http://www.bibme.org/> to help with this

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Content | Thoroughness | Appearance/Organization | Neatness/Effort |
| 5 | The included information is accurate and very well written.  | All the necessary components of your poster are complete and all your sources are cited correctly. | Your poster is very attractive, well laid out, and organized. The images are very creative and colourful. | There is obvious attention to detail in your work. You made full use of your time in class. |
| 4 | The included information is accurate and well written | Almost all of the necessary components of you poster are complete and you have cited your sources correctly. | Your poster is attractive, well laid out, and organized. The images are creative and colourful. | There is good attention to detail in your work. You made good use of your time in class. |
| 3 | The included information is mostly accurate and well written. | Most of the necessary components of you poster are complete and you have cited your sources correctly. | Your poster is quite attractive. There is some organization and colour in the presented images. | There is attention to detail in your work. You made use of your time in class. |
| 2 | The included information has some errors and the writing is unclear. | Some of the necessary components of you poster are complete and you have cited your sources. | Your poster is a somewhat unorganized and unclear. There is not much colour on your images. | Your poster is somewhat messy. You made some use of your time in class. |
| 1 | There are many errors in both your writing and your information. | You have not included the necessary components of you poster and your sources are not cited or are cited incorrectly. | Your poster is unorganized and unclear. There is little to no colour on your images. | Your poster is messy and has not been well cared for. You did not use your time in class well. |

Total: /20