***Introduction***

**My assigned biome is….**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(assigned biome)

***Task***

You are a member of the “Chamber of Commerce” for your biome. Your job is to provide information about your biome. You will be researching with your assigned group. You will use your research (kept in your science journal) to create a “data disc” about your biome. Find out the following about your biome:

1. Climate and weather (What are the weather characteristics of this biome)
* Geographic location of the biome throughout the world
* The map should go on TOP and information about the location should be INSIDE
1. Animals/Consumers (herbivores, carnivores, omnivores, scavengers, etc)
* Remember, this should not be a list – you may illustrate all the organisms on the front, but the relationships of each goes inside.
1. Vegetation/producers (major trees, shrubs, plants, crops)
* Remember, this should not be a list – you may illustrate all the producers on the front, but the relationships of each goes inside.
1. Adaptations (2 behavioral/2 structural)
2. Energy Pyramid

Animals/Consumers (all labeled)

Producers

1

2

Adaptations

Map/weather

4

3

7

Extra (Optional)

6

Energy Pyramid

***Essential Questions to consider and guide your research:***

* What are the characteristics of the different biomes (specifically your biome)?
* What are the relationships among organisms in a biome?
* What are the relationships among living and nonliving things in a biome?
* How does the location determine the type of biome?
* How do the temperature and precipitation impact the biome?
* Which plants thrive in this biome?
* How does a food chain for your biome operate?
* Are there any endangered species in your biome?
* How are humans impacting your biome?
* What interesting features are in your biome?

***Process***

Use the biomes note sheet to record your finding (research) to the essential questions. You will then use your notes/answers as the data on the second part of your data disc. The cover of your data disc should be illustrated to reflect your biome. You should also include a map (provided) to show the global location(s) of your biome.

***Resources***

* *DiscoveryEducation.com*
* Websites
	+ The World’s Biome: <http://www.ucmp.berkeley.edu/glossary/gloss5/biome/>
	+ Biomes & Habitats: <http://www.enchantedlearning.com/biomes/>
	+ Biomes of the World: <http://www.teachersfirst.com/lessons/biomes/biomes.html>.

***Rubric/Evaluation***

|  |  |
| --- | --- |
|   | 5.L.2.1 Compare the characteristics of several ecosystems, including estuaries and salt marshes, oceans, lakes and ponds, forests, and grasslands.5.L.2.2 Classify the organisms within and ecosystem according to the function they serve: producers, consumers, decomposers (biotic factors).5.L.2.3 Infer the effects that may result the interconnected relationship of plants and animals to their ecosystem.RI.5.6 **Analyze multiple accounts of the same event or topic, noting important similarities and differences in the point of view they represent.****RI.5.7** Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently.**RI.5.9 Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably.****W5.10 Write routinely over extended time frames (time for research, reflections, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.****W5.2 Write informative/ explanatory texts to examine a topic and convey ideas and information clearly. Introduce a topic clearly, provide a general observation and focus, and group related information logically****W5.7 Conduct research projects that use several sources to build knowledge through investigation of different aspects of a topic.****L.5.2** Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing. Use underlining, quotation marks, or italics to indicate titles of works. Spell grade-appropriate words correctly, consulting references as needed |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 |
| **Science/Research****5.L.2.1****5.L.2.2****5.L.2.3**

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|  |  |

 | Field Journal has very limited information. Provides no answers to guiding questions | Most of the Field Journal is completed but information is limited. Provides 1-2 to the guiding questions | Field Journal research is complete. Provides answers to guiding questions | Additional unique information is collected and all guiding questions are answered with elaborations.  |
| **Map** | Provides no map | Provides map, but does not show all locations of the ecosystems.  | Provides map and shows all locations of the ecosystem.  | Provides a map and shows all locations of the ecosystem, includes key and labels.  |
| **Conventions/Spelling** | More than 6 errors.  | 4-5 errors.  | 2-3 errors  | No errors.  |
| **Neatness/Color** | Illegible and no color. Not all information is present  | Some color, but may not have meaning. Handwriting is not 100% legible in all sections.  | Illustrations and color is present and meaningful. All writing is neat and legible.  | No white space. Background is colored and includes all writing is neat and legible.  |

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I am aware of this project. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Parent signature)

Due Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_