Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Biome Project

**Purpose**

The Biomes Project is an opportunity for you to do your own research on a particular biome. Your group will be assigned a specific biome. You will work in teams to research critical issues of your biome from different points of view. After your research, you will create a project to teach your classmates about the critical issues surrounding your biome.[[1]](#endnote-1)

**Background Information**

Every biome of the world is a truly magical place. Its structure is complex, consisting of many levels, each with its characteristic plants and animals. Each organism has its own niche in the biome.

What is the importance of understanding the interdependent roles of plants, animals, the physical landscape and the influence of humans on the biomes of the world? How can you come to understand how the balance of each biome affects our global ecosystem? Can you think critically about global issues? Think about the following questions: *What would happen if something were to change the landscape of a particular biome? What if the temperature were to raise or lower significantly? What if a developer wants to build on the land? What if an animal becomes extinct? What if a plant were destroyed, or if the rainfall greatly increases or decreases?*

Some terms you should become familiar with before you start are:

* Climate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Biome \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Biodiversity \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Ecology \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Procedure**

Each member of your group will research a particular area of your biome. Areas include: Animal, plant, physical landscape, and human influences.

Report and Presentation Elements – 100 points

Your report and presentation will need to include the following items. As a group, create the following:

* + Title and authors (all group members)
	+ Table of contents or a menu showing where all the relevant information can be found
	+ Introduction: overview of your biome
	+ Description: Describe all animal life, physical landscape/habitat and weather, plant life and human influences that affect and make up your assigned biome.
	+ A map of the world with your biome clearly identified with proper nouns (i.e. if you are in the desert group, the Sahara Desert should be listed) Include a definition of your biome. (What characteristics does your biome have?)
	+ Glossary of terms that pertain to your biome with definitions
	+ Presentation Your presentation should be 5 minutes long. Every group member should speak during the presentation. The presentation should cover animal life, physical landscape/habitat and weather, plant life and human influences.

Team Responsibilities
Each individual group member is responsible for one of the following:

|  |  |
| --- | --- |
| Animal lifeBackground informationExamples with pictures/illustrations 2 questions that can be answered from your research | Physical landscape/habitat & weatherBackground informationExamples with pictures/illustrations2 questions that can be answered from your research |
| Plant lifeBackground informationExamples with pictures/illustrations2 questions that can be answered from your research | Human influencesBackground informationExamples with pictures/illustrations2 questions that can be answered from your research |

**Diorama – 100 points**

Your group should create a three dimensional diorama of your assigned biome. It should include examples of the physical landscape, plant life and animal life. The diorama should look like a miniature example of your assigned biome.

1. Opfergelt, Heather (2008). Biome Project. *Firebaugh High School Agriculture Department* [↑](#endnote-ref-1)