

Applications of Biology Biome Ecotourism Brochure Final Project

Due Date: June 13 (A1) or June 16 (A4)

- ❖ It has become fashionable for tourists to vacation in regions of the world which are interesting from an ecological point of view. You may have heard of people going on a cruise in the Antarctica or going on a photo safari in the Savannah.
- ❖ For this project, you will create a brochure that would lure prospective travelers to your assigned biome region. Your brochure will inform the reader about the ecology of your region as well as reasons they may wish to visit there. When you are writing and illustrating, imagine this brochure will be found at a travel agency.

Brochure Requirements:

1. Have neat, attractive presentation.
2. Make someone want to visit your biome.
3. With the exception of large titles, the brochure **should be typed**. The text should be neatly and securely affixed to the construction paper.
4. A font size similar to the one on this handout should be used except for words or sentences you want to stress. (this is Arial size 11)
5. Present all the information in your brochure such that it is interesting and understandable to a potential visitor. Your brochure should paint a vivid picture of what it would be like to visit your biome.
6. You should include one color photograph of your biome, and at least 2 color photographs of animals and 2 color photographs of plants
7. Attached is a brochure template with the information required on each panel.

Oral Presentation Requirements

1. Speak clearly, slowly, and loudly enough for all to hear.
2. Use your brochure as a guide, however know your material well enough that you do not read through your presentation.
3. Look at your audience

Good links for your research

http://www.blueplanetbiomes.org/world_biomes.htm

You will find excellent descriptions of adaptations in this link. What is called desertscrub is what we called desert. Mediterranean scrub is what we called chaparral.

<http://www.radford.edu/~swoodwar/CLASSES/GEOG235/biomes/intro.html>

<http://kids.nceas.ucsb.edu/biomes/index.html>

Name: _____
Date: _____ Period: _____

Biome Research Sheet

Name and specific location of Biome: _____

Recommended links are on the project description. You may use other sites as needed.

USE YOUR OWN WORDS AND DO NOT CUT AND PASTE

A. Rainfall and temperature trends. Specify

- i. Does your biome have distinct seasons? How many?
- ii. How does temperature vary with the seasons? What is the temp average?
- iii. How does precipitation vary with the seasons? What form of precipitation falls during each season? What is the total precipitation for a year?
- iv. Does temperature change dramatically between day and night? If so, describe.

B. Abiotic factors of biome

The physical features of each biome vary tremendously. While reading look for anything unique or interesting about your biome's abiotic features.

Some *possible* topics you may find include information about include:

- soil quality (Is soil nutrient rich or poor? Are roots able to grow deep down? Can the soil retain water easily?)
- availability of fresh liquid water
- availability of sunlight
- weather events (windstorms, droughts, blizzards, etc)
- other disturbances (wildfires, floods, mudslides, etc...)

C. Other information you have found for your brochure

D. Read the information about animals in your biome carefully.

List at least **five** animals which live in **the assigned region** of your biome and print **two** colored photos showing **two** of these animals.

Make sure the animals you found actually live in the region assigned to you. To check this, it is a good idea to look up for the RANGE of the animal

List **three** different adaptations seen in the animals you have listed. Make sure you indicate HOW the adaptation helps the animal be well suited to thrive in the abiotic (non-living) conditions of the region you were assigned.

E. Read the information about plants in your biome carefully.

List at least **five** plants which grow in **the assigned region** of your biome and print **two** colored photos showing **two** of these plants.

Make sure the plants you found actually live in the region assigned to you. To check this, it is a good idea to look up for the RANGE of the plant.

List **three** different adaptations seen in the plants you have listed. Make sure you indicate HOW the adaptation helps the plant be well suited to thrive in the abiotic conditions of the region you were assigned.

