

Biome Project
 Chapter 3
 APES
 Lindemulder

Your group is responsible for choosing one of the major biomes to research. Each group is responsible for teaching the class about their respective biome. All members of your group must be involved in the research and presentation aspect of the project. You will only have **two days** for researching and for preparation of your presentation. It will therefore be necessary that you divide the research topics amongst your group members. The following is a list of all the required portions of your presentation. This list is only the minimum requirements. An “A” grade will need to surpass expectations for the information presented. Be sure that your presentation is designed to be completely informative while maintaining an impeccable professional appearance.

Slide	Description
1	List your biome of study, provide a small map of the area, basic latitude and/or longitude boundaries, and names of regions or country examples within your biome area.
2 & 3	Research and describe the basic abiotic factors of your particular biome. This would include factors such as average precipitation, average temperature, wind patterns, soil composition or profile, dominant geographic features, solar radiation, or major limiting factors.
4	Research on the Internet and make a basic climatogram. Explain any seasonal patterns or general trends of your climatograms, and the special influence these localized conditions have on the adaptations of key plant and animal species of that area.
5 & 6	List at least five major autotrophs, five major heterotrophs, and five decomposers or scavengers found in your biome area. Also, be sure to list any keystone species or species that have a particularly important cultural, economic, or ecological value. This slide may also include any threatened or endangered species.
7 & 8	Describe the state of the particular biome you are researching in terms of its preservation, degradation, or environmental status in general. Is it an area with deforestation problems? Are there national parks or nature preserves in the region? Are there specific dangers for the region that likely to be seen in the future? Are there any current environmental problems within the region today?
9	Citation slide! When in doubt, document your sources.

You are free to work on the presentations at home, but it is *required* that you have materials to work on every day of this project. Any group members who are found to be not actively involved in working on their presentation will be docked points.

You will be presenting to the class. You must also submit a copy of your final presentation via email (lindem01@wsdmi.org). Please title your presentation as: [period – biome].

Terrestrial Biomes

1. Desert
 - a. Hot and dry*
 - b. Semiarid*
 - c. Coastal*
 - d. Cold*
2. Tundra
 - a. Alpine tundra*
 - b. Arctic tundra*
3. Forest
 - a. Deciduous forest*
 - b. Coniferous forest / boreal / taiga*
 - c. Tropical rainforest*
 - d. Scrub forest*
 - e. Chaparral*
4. Grassland
 - a. Savanna (tropical grassland)*
 - b. Steppe*
 - c. Temperate grassland*