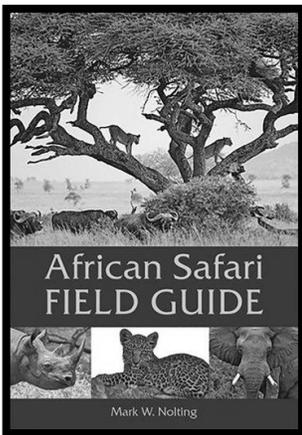
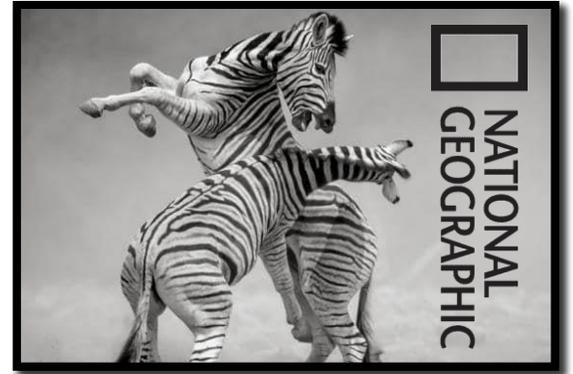


BIOME PROJECT

Name: _____ Date: _____ Block: _____

INTRODUCTION:

You and a team member are committed **conservationist**, and you are concerned about the state of your biome. To ensure the survival of your biome and its' inhabitants, you need to raise awareness and launch an educational survival campaign to convince people to help conserve & visit your biome. You are in competition with other biome conservationist for tourism and only one biome can be chosen to start your conservation efforts.



YOUR MISSION:

Since your biome is the best place in the world, it is your job to convince people to come visit your biome by creating a **field guide**. A field guide is a **book/magazine** designed to help readers identify wildlife (plants and animals) or other objects of natural occurrence (i.e minerals). It is generally designed to be brought into the "field" or local area where such objects exist to help distinguish between similar objects. You will not only take the role of being a conservationist, but a salesman as well. Remember you are trying to "sell" that your biome is the best in the world and is in great need of saving and funding. Your peers and teacher will decide on who has the best biome worth visiting and worth investing funding for conservation efforts in.

THE FIELD GUIDE: See rubric for expectations of each!

The research portion of your field guide will be counted towards your grade. Included in the field guide needs to be **PICTURES (visual aids/diagrams/graphs)** and information about each of the following:

- Conservation's Group Name
- Name and Location of Biome(Climatograph)
- Temperature & Precipitation
- Abiotic/Biotic Factors
- Food webs
- Adaptations of Plants & Animals
- Examples of Species
- Additional Characteristics of Biome
- Environmental Issues
- Preservation & Conservation Efforts

THE FIELD GUIDE EXPECTATIONS:

You are to design a **detailed** field guide or magazine detailing the research topics from above. The more pictures and creativity the better! Take the stance of a tourist guide or a journalist. Tell a story! Be sure to include the name of your biome, world distribution (geographic location), climate, typical flora (plants) & fauna (animals), ecological concerns: current & future conservation efforts. This needs to be **PRINTED or DRAWN !**



BIOME RESEARCH

Directions: You only need one research paper per group with two different handwritings.

1. You and your partner/fellow conservationist need to give yourself a **CONSERVATION GROUP NAME!**

Conservation Group Name is: _____

2. Below, you and your partner need to split the work and complete the research information below, before making your field guide/magazine.
3. Make sure that all sentences in your field guide/magazine are in **complete sentences!**
4. You will need to cite a minimum of **3 sources in APA format.**

LOCATION OF BIOME:

1. What is the name of your biome? _____
2. Give the location of your biome. Name the region or country examples within your biome. You need more than one example. **Use may use a MAP depiction for your field guide/magazine.**

TEMPERATURE & PRECIPITATION:

3. What does a climatograph of your biome look like? Feel free to draw it in the space provided. **The climatograph must show average monthly temperature and precipitation for a year. The precipitation must be represented by a bar graph. The temperature must be represented by a line graph.**



4. What is a written description of your biome's climatograph?

DESCRIPTION OF ABIOTIC FACTORS:

5. You must discuss at least **two abiotic factors** about your biome. These may include, but not limited to: wind patterns, soil composition, dominant geographic features, solar radiation, and limiting factors.

FOOD CHAIN & WEBS:

6. What would a typical food web or chain look like in your biome? This must include specific species-not generic things like "plants" or "fish." **You will need to draw this out or depict it in your field guide/magazine.**

ADAPTATIONS OF PLANTS & ANIMALS:

7. Discuss at least **TWO** traits plants and/or animals have adapted to thrive in the climate of the biome. For example, some plants can go long periods of time without water in the desert, since water is scarce in that biome.

EXAMPLES OF SPECIES:

8. Include specific examples of the following: **autotrophs, keystone species, endangered species, extinct species and/or species that have important cultural value (EXPLAIN WHY) that live in your biome.** You need to include specific examples of at least 3 of the 5 above. For more space, use another sheet of paper.

ENVIRONMENTAL ISSUES:

9. Describe the state of the particular biome area you are researching in terms of its **preservation, degradation, or environmental status** in general.

10. Is it an area with **deforestation** problems? Are there national parks or nature preserves in the region? _____

11. Are there **specific** dangers for the region that are likely to be seen in the future? Are there any current environmental problems that are problematic for the region today?

PRESERVATION & CONSERVATION EFFORTS:

12. Identify **one program/group** that is taking a proactive role in helping to preserve or conserve the biotic or abiotic resources of your biome. This may be a localized group, a volunteer group, a privately funded group, or a government backed program.

13. Briefly explain what the program/group is doing to help preserve/conservate the resources in the biome. _____

14. As conservationist, what would **YOUR** group do to take on a more preservationist/conservationist role? In other words, **HOW** would you educate and convince your tourist and peers to pitch in and help or start making changes? _____

**** DO NOT FORGET TO CITE A MINIMUM OF 3 REFERENCES IN APA FORMAT!****