

BIOMES PRESENTATION

1. Choose one biome. (one biome per person)
2. Make a presentation on Google Slides or Office 365 PowerPoint. About 12 slides in length.
3. Include Mr. Dimmer (pdimmer@ecsd.us) as an editor
4. Information to be included in the presentation: (not every field will pertain to all of the biomes listed)
 - Title Slide
 - A general ***description of the biome*** and if there is a general area where the biome is located.
 - **Terrestrial Biomes:**
 1. A general description: **Terrestrial - overall climate.** (ex. Wet and Hot)
 2. The **average temperature** (include a range of temperatures if appropriate) Use Fahrenheit.
 3. The **annual rainfall amounts.** Use inches.
 - **Aquatic Biomes:**
 1. A general description: **Aquatic – salt water vs. fresh water (salinity)**
 2. **Depth** – Light availability; Pressure; Temperature
 3. **Water** –currents; tides; standing(lentic) vs. moving (lotic)
 - Choose 3 generic adaptations for plants and 3 for animals that allow each organism to survive specifically in that biome. (At least 6 slides total)
Each animal and plant you choose should get its own slide highlighting the adaptation that they have that make them suited to survive in their particular.
 - Explain the threats that are endangering the biome. (each threat should get its own slide)

List of Biomes

1. Antarctic Polar Desert
2. Arctic Tundra
3. Alpine Tundra
4. Montane Forests
5. Taiga: Coniferous Forest
6. Temperate: Deciduous Forest
7. Grasslands: Savanna
8. Grasslands: Prairies
9. Grasslands: Steppes
10. Chapparal
11. Tropical Rainforest
12. Subtropical dry forest
13. Temperate Rainforest
14. Hot & Dry Deserts
15. Semi-arid Deserts
16. Cold Deserts
17. Coastal Deserts
18. Caves
19. Marine: Oceans - Intertidal zone
20. Marine: Oceans – Euphotic zone
21. Marine Oceans – Disphotic zone
22. Marine Oceans – Benthic zone
23. Marine Oceans – Abyssal zone
24. Coral Reefs
25. Estuaries
26. Wetlands – Marshes
27. Wetlands – Swamps
28. Freshwater: Lakes - Limnetic (photic) zone
29. Freshwater: Lakes - Profundal (aphotic) zone
30. Freshwater: Ponds
31. Freshwater: Streams & Rivers
32. Urban cities

Biomes Presentation Rubric

| Criteria | Excellent | Good | Needs Work | Lacking |
|---|--|---|---|--|
| On Time | Project ready for presentation. (5 pts) | | | Project not ready for presentation. (0 pts) |
| Effort | Exceptionally well done. Shows above average effort. All of the information is in your own words. (10 pts) | Nicely done. Most of the information is in your own words. (7 pts) | Confusing and hard to follow. Most of the information is copied. (5 pts) | No effort, no flow. It is merely copied from the course or other sources. (0 pts) |
| Aesthetics | Project looks neat and professional. (10 pts) | Project looks neat but not necessarily professional. (7 pts) | Project is not necessarily neat. (4 pts) | Project is not complete and is messy. (0 pts) |
| Description of Biome | Includes an introduction with a description of the biome , includes general location . (10 pts) | Includes a description of the biome. (7 pts) | Includes a brief description of the biome. (4 pts) | No description or location of the biome. (0 pts) |
| Terrestrial - overall climate. Aquatic – salt H₂O vs. fresh H₂O (salinity) | Includes a basic description of temperature and precipitation . (ex Hot & Wet) Aquatic - salinity (5 pts) | | | Does not include a description of temperature/ precipitation (0 pts) |
| Terrestrial – Temp. range Aquatic – Depth; Light avail.; Pressure; Temp. | Includes a range of temperature (seasons) Includes <i>Depth; Light availability; Pressure; Temperature</i> (5 pts) | | | Does not include a range of temperature (0 pts) |
| Terrestrial - Rainfall range Water –currents; tides; standing(lentic) vs. moving (lotic) | Includes a range of precipitation/yr (seasons) Includes water currents/tides; standing vs moving (5 pts) | | | Does not include a range of precipitation/yr (0 pts) |
| 3 Plants Adaptations | List <i>at least 3 typical plants</i> for your biome. Correctly discusses the adaptations each plant has for surviving in the biome . (10 pts) | Missing one plant for your biome. OR Missing or incorrect information about the adaptations. (7 pts) | Lists the plants but does not discuss adaptations at all. (4 pts) | Does not list any plants that live in the Biome. (0 pts) |
| 3 Animal Adaptations | List <i>at least 3 typical animals</i> for your biome. Correctly discusses the adaptations each animal has for surviving in the biome . (10 pts) | Missing one animal for your biome. OR Has some information about the adaptations, but it is not complete and/or correct. (7 pts) | Lists the animals but does not discuss adaptations at all. (4 pts) | Does not list any animals that live in the Biome. (0 pts) |
| Threats to the Ecosystem | List <i>at least one major threat</i> that can affect the ecosystem within your biome. Then explain what it could do to the living species that occupy that biome. (10 pts) | Lists and explains the threat but does not explain how it can affect living organisms. (7 pts) | Lists the threat but does not explain it. (4 pts) | Does not any threat to the biome. (0 pts) |
| Appropriate Images and/or video | Appropriate amount of images and references. (10 pts) | Some images and references. (7 pts) | Images only. (4 pts) | No images or reference (0 pts) |
| Oral Presentation | (10pts) | (7 pts) | (4 pts) | (0 pts) |

