

Field Trip to Zoo:

Biomes: Marine, Deserts, Plains, Forests

1. For each biome, create a food web listing the animals and plants that you find in that area.
 - a. Include pictures of the animals
 - i. Use a digital camera
 - ii. Use your phone
 - iii. Get a picture of them from the internet
 - b. include if the animal is a carnivore, omnivore, herbivore, or autotroph
2. For each biome, make a list of biotic and abiotic factors. Describe the general climate (temperature, rainfall) in each biome.
3. For each biome, identify a primary producer, 1st order heterotroph/consumer, 2nd order heterotroph/consumer, and if possible, 3rd order heterotroph/consumer
 - a. Make sure that you explain why it is which type of heterotroph (describe the food chain that will make it that particular order of heterotroph)
4. Find an organism that is or does the following: (explain where you found it in the zoo)
 - a. Does chemosynthesis
 - b. Does photosynthesis
 - c. Is a scavenger
 - d. Is a decomposer
 - e. Is a detritivore
 - f. Either eats phytoplankton, or is phytoplankton
 - g. Eats zooplankton
5. Choose one biome and create an energy pyramid
6. Choose a different biome and create a biomass pyramid
7. Describe a niche and habitat in a biome.
8. In any biome, or you can go to several biomes, give an example of
 - a. mutualism
 - b. parasitism
 - c. commensalism
 - d. predation (you shouldn't actually be able see it occur, but give an example using animals in the zoo of what might be the prey and what might be the predator)