# **Community Ecology Prezi Questions**

# **Questions to answer:**

1. Explain how competition contributes to competitive exclusion, resource partitioning, and character displacement.
2. Explain how predation contributes to changes in coloration (aposematic and cryptic) and the evolution of mimicry (batesian and mullerian).
3. Explain the concept of facilitation. Provide an example facilitator species and why it fits that definition.
4. What is biodiversity? How is it measured?
5. Explain how trophic structure can be understood in terms of food chains and food webs.
6. How do keystone species and energetic considerations contribute to the trophic structure of an ecosystem? Provide examples of the effects of each.
7. Describe the phenomena of disturbance and succession.
8. How do climate, area, and the island-like nature of an environment contribute to the structure of the community?

**Things you should make sure you understand:**

* The fitness +/- for each type of interaction discussed in this presentation and an example of each.
* How the interactions among members of a community can contribute to emergent properties in the ecosystem.
* The effects of community interactions on the trophic structure of a community.
* The effects of energetic and environmental factors on the trophic structure and the diversity of a community.
* How disturbance and succession specifically function to structure a community.
* How island-biogeographical theory can be used to analyze the trophic structure and diversity of a community.