Community Ecology Reading Objectives (New Book Ch. 54)

Big Ideas of the Chapter:

What is an ecological niche? How do organisms affect one another?
What are some things that influence biodiversity and composition?
What uses does Community Ecology have for humans?

What is an **interspefic interaction?**

What is meant by "-/-" when discussing **interspecific competition**?

Explain what an **ecological niche** is, and how it relates to the **competitive exclusion principle** and **character displacement**.

Predation can have a large impact on a community. What are some adaptations (particularly in coloration) that was brought about by interspecific competition?

What is **mimicry**? Describe the two types, and discuss how they differ from one another.

What is **symbiosis**? Explain the three types, and differentiate using the "+, -" system discussed earlier. Underline each different type that you are describing.

What is the difference between **species richness** and **relative abundance** when discussing **species diversity**?

(I am assuming your knowledge of food-webs, chains, and ecological pyramids is sufficient. See me with questions)

What is a **dominant species?** Why would an **invasive species** have a good chance at becoming a **dominant species**?

Is a **keystone species** always the **dominant species**? Explain, citing an example.

Describe the differences between the **bottom-up model**, and **top down model** of trophic organization.

How can **disturbances** influence biodiversity? Explain different ways.

What is the difference between **primary** and **secondary succession**?

How can location affect community biodiversity?

What influence can **pathogens** have on a community? Explain