

Hunter Ch. 2 – Biodiversity – Study Questions
Conservation Biology
Spring 2009

Looking this chapter over again should serve as a good review /overview of what we considered regarding communities, ecosystems, genetic and species diversity. The main points that some might find difficult (measures of diversity) will be covered in class in some detail.

The specific things that will be covered in class are (found in pp 24-29)
Know the following terms: Species richness (**richness**), **evenness**, **spatial scale** and diversity as illustrated by the terms **alpha, beta, and gamma diversity**.

Things to think about/review within the next week:

1. Be able to define biodiversity in its broadest sense (unlike what we have considered species and genetic diversity). Also think about the relationships between biodiversity at different levels of the biological hierarchy.
2. Review the ideas we covered earlier on the relationships between structure and function – at all levels of biological organization. You are going to need to use this idea in the remaining applied portions of the course.
3. Please understand the differences between **maximizing, enhancing, preserving and conserving biodiversity**. These are terms and ideas we will use in much of the course.
4. Be sure that you remember what biotic integrity and sustainability are. We will be using these terms later in the week.