**Environmental Science 3205**

Chapter 3: Study Guide

*What to Study:*

Chapter 3: Notes

Chapter 3: Workbook

Chapter 3: Textbook

Key terms below

Study Guide Questions below

*Key Terms:* (In notes and textbook)

# Ecosystems

1. range of tolerance
2. optimum range
3. population
4. community
5. trophic level
6. Ecoregions
7. Biodiversity
8. Species Biodiversity
9. Genetic Biodiversity
10. Community or Ecological Biodiversity
11. Species Preservation

*Questions* (Answers in notes)

1. What may happen in an ecosystem if one species such as the snowshoe hare is removed? (Hint: see diagram on page 5 of notes)

## What does being an island mean to our diversity?

1. What was the affect of the ice age on our ecosystems and their diversity?
2. Why are there are only 14 species of mammal on the island but there are 39 species in Labrador?
3. Contrast species diversity with genetic diversity by providing examples of each one. (notes p. 4)
4. Using examples show the relationship between genetic diversity and species diversity in the overall biodiversity of an ecosystem. (notes p.5)