

## Chapter 1: SUSTAINABILITY OF FOREST ECOSYSTEMS

Read: All Sections

Purpose: To help you understand the relationship between the growth of the human population and the demand it places on forest resources, and that the ultimate threat to forests is human population growth.

You should be prepared to:

1. Describe the growth of the human population throughout its history and into the next 100 years.
2. List and discuss several implications of the human population growth for global resources.
3. State and defend your own view of the place of humans in nature.

## Chapter 2: DEVELOPMENT OF FORESTRY AND FOREST ECOLOGY

Read: All Sections

Purpose: To help you understand the historical roots of forestry and the importance of forest ecology to present and future natural resource managers.

You should be prepared to:

1. Briefly describe the historical relationship between humans and forests.
2. List and describe the principal components of a forest.
3. Describe the stages of forestry.
4. Explain why a knowledge of forest ecology is likely to be important to you in your chosen profession.

## Chapter 3: ECOLOGY AND THE ECOSYSTEM CONCEPT

Read: All Sections

Purpose: To help you understand what ecology is and where it fits into the grand scheme of things.

You should be prepared to:

1. Define ecology and ecosystem in terms that your parents would understand.
2. Describe where the study of ecology fits into the study of related physical and natural sciences (what's included in ecology and what's not).
3. List and briefly describe the 4 subdivisions within ecology.
4. List and briefly describe 5 important attributes of the ecosystem concept.