

Chapter 6: Humans in the Biosphere

State Standards

6.2 Analyze changes in population size and bio-diversity (speciation and extinction) that result from natural causes, changes in climate, human activity, and the introduction of invasive, non-native species.

Key Terms

Monoculture
Renewable Resources
Nonrenewable Resources
Sustainable Development
Agriculture
Industrial Development

Desertification
Deforestation
Pollutant
Biological Magnification
Smog
Acid Rain

Biodiversity
Ecosystem Diversity
Species Diversity
Genetic Diversity
Habitat Fragmentation
Ecological Hot Spot

You should be able to:

1. Describe human activities that can affect the biosphere.
2. Describe the relationship between resource use and sustainable development.
3. Describe how human activities affect soil and land resources.
4. Describe how human activities affect water resources.
5. Describe how human activities affect air resources.
6. Define biodiversity and explain its value.
7. Identify current threats to biodiversity.
8. Describe how biodiversity can be preserved.
9. Explain the concept of ecological footprint.
10. Identify the role of ecology in a sustainable future.

You should know the difference between:

- Renewable and nonrenewable resources
- Exponential and logistic growth
- Species diversity, Habitat Diversity, Biodiversity, and Genetic Diversity
- Sustainable and Unsustainable human activities (including examples)
- Density dependent and density independent factors (including examples)

Humans In The Biosphere Section 1 Answers

Raffaela Di Napoli



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