

Name:

Botkin & Keller: 8th Edition: Chapter #1- Key Themes in Environmental Science
Guided Reading

1: Read, “*Amboseli National Reserve: A Story of Change*”. **Diagram** the cause/effect of the changes in the park with a *concept map* below.

2: Explain how the events of Amboseli illustrate the idea of **connectivity** of organisms in an ecosystem

Major Themes of Environmental Science

3: What are the 6 interrelated themes of the textbook? Briefly summarize each of the 6 themes.

Major Theme	Summary
Human Population Growth	
Sustainability	
A Global Perspective	
Urbanizing World	
People & Nature	
Science & Values	

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4: Explain the “*Precautionary Principle*” in terms of environmental science. Do you agree or disagree and why?

Placing a Value on the Environment

Define the following terms below:

Value	Description
Utilitarian	
Ecological	
Aesthetic	
Recreational	
Inspirational	
Creative	
Moral	
Cultural	

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5: Read Critical Thinking Issue: Easter Island

Answer the following questions:

* *What are the main lessons to take from Easter Island's history?*

* *Assuming that an increasing human population, introduction of invasive rats, loss of trees, the resulting soil erosion, and late, introduced European diseases led to collapse of the society, can Easter Island be used as a model for what could happen on Earth? Why or why not? **Explain.***