**Environmental Science 3205**

Chapter 1: Study Guide

*What to Study:*

Chapter 1: Notes

Chapter 1: Workbook

Eco Spotlight: Bernard Martin

Key terms below

Study Guide Questions below

***Key Terms:***

1. Biosphere

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1. Geosphere

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1. Atmosphere

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1. Hydrosphere

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1. Conservation

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1. Preservation (glossary)

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1. Sustainability

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1. Stewardship

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1. Environmental Impact Assessment (EIA)

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1. Paradigm

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1. Paradigm Shift

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1. Anthropocentric

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1. Ecology

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1. Biotic

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1. Abiotic

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1. Food Web

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1. Food Chain

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1. Nutrient Cycling

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1. Producers

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1. Consumers

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1. Decomposers

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1. Herbivores

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1. Carnivores

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1. Omnivores

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1. Scavenger

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***Questions*** (Answers in notes)

1. How is Earth like a spaceship in terms of natural resources? Explain.

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1. a) Even though humans are only one part of the system of living things,

they often have the greatest impact on other living things. Why is this?

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b) Give an example of a positive impact and a negative impact made by humans.

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1. a) What was the general view that the Aboriginal people had about their environment?

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b) What were the early European settlers’ views about the environment?

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c) Explain an example of how their conflicting views caused controversy in

Newfoundland in the early 1900’s.

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1. Name any three (3) areas that environmental science draws upon.

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1. List the five common misconceptions about science.

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1. List four applications of environmental science.

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1. It is believed that anthropocentric attitudes have contributed to many of today’s environmental issues. What is meant by “anthropocentric”? Briefly explain how these beliefs have influenced environmental issues.

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1. Humans have demands for things such as energy resources, recreation, and transportation. These demands go well beyond our needs to survive. What drives our resource demands, and at what level(s)?

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1. Give an example of a sustainable practice.

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1. Explain the process of nutrient cycling (or recycling), and how it helps to maintain balance in an ecosystem.

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1. Consider the following diagram.











1. Indicate ONE example of each the following:
   1. Primary Consumer

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* 1. Autotroph

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* 1. Top Carnivore

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* 1. Secondary Consumer

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* 1. Tertiary Consumer

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* 1. Producer

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1. Using information from the food web, what would be one effect if the herring population declined? Explain.

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1. Would the Eider population be affected if the clam population declined? Explain.

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