**APES Study Guide**

**Unit 1 – Environmental Problems**

Unit one is an overview of environmental science. This unit is the foundation that begins to explain how we will be looking at the environment. We will be asking many of the questions we ask throughout the year.

# **Reading**

Miller, *Living in the Environment*, 15th Edition, Chapter 1

## **Lab/Activity Assignments**

Ecological Footprint, Environmental History

## **Vocabulary (39 terms)**

Exponential growth

Environment

Ecology

Environmentalism

Sustainability

Durability

Natural capital

Solar capital

Economic growth

Gross domestic product (GDP)

Per capita GDP

Economic development

Developed countries

Developing countries

Perpetual resource

Renewable resource

Sustainable yield

Environmental degradation

Common-property

Free-access resources

Tragedy of commons

Ecological footprint

Per capita ecological footprint

Nonrenewable resources

Recycling

Reuse

Pollution

Pollution point sources

Pollution non-point sources

Pollution prevention

Input pollution control

Pollution cleanup

Output pollution control

Poverty

Affluenza

Planetary management worldview

Stewardship worldview

Environmental wisdom worldview

Social capital

**Unit Objectives:**

1. Determine the theme of the book.
2. Describe an environmentally sustainable society.
3. Describe the rate of population growth.
4. Distinguish between economic growth, economic development, and environmentally sustainable economic development.
5. List the earth’s main type of resources.
6. Name the principle types of pollution and describe what we can do about pollution.
7. Discuss the basic causes of today’s environmental problems.
8. Explain how poverty and affluence affect the environment
9. List the major human cultural changes that have taken place since humans arrived.
10. List and describe the three major scientific principles of sustainability.

**Sites of Interest**

<http://www.ecofoot.org/>

**Important Dates**

Vocabulary quiz –

Unit 1 Test –