**APES Chapter 1: Environmental Problems, Their Causes, and Sustainability**

**Note Taking Focus Questions**

**Directions:** Use the Cornell Method of note taking as you answer the questions below. Your notes must be **hand written** to receive credit for them. Within your notes, use the title for each subsection of notes which is *in italics and underlined.*

**Section 1-1**

1. What are the *3 Goals of Environmental Science*?

2. What are the *Three* ***Scientific*** *Principles of Sustainability,* and give a description of each.

3. What is *Natural Capital*?

4. What is the difference between natural resources and natural services? Give a few examples of each.

5. How do humans degrade natural capital?

6. *Finding Solutions*: Explain how finding solutions to environmental problems involves conflicts and making compromises.

7. *Making the Shift toward Sustainability*: Explain why individuals matter in dealing with the environmental problems that we face.

8. List and describe *The Three* ***Social Science*** *Principles of Sustainability.*

9. Define the following *Resource Terms*: resource, inexhaustible resource, renewable resource, nonrenewable resource, the 4 R’s.

10. *Countries Differ in their Impact:* Describe the differences between more-developed countries and less-developed countries and the impacts that they have on the environment.

**Section 1-2**

1. Describe how *We are living unsustainably.*

2. Define the term pollution, and explain the difference between point and nonpoint pollution.

3. What is the difference between pollution cleanup and pollution prevention? Which is more sustainable and why?

4. What is the *Tragedy of the Commons* as described by Garrett Hardin, and why does it occur? What are the two ways that we can deal with this “tragedy”?

5. What is included in a person’s *Ecological Footprint*?

6. What is affluence. and how does it impact a person’s ecological footprint?

7. If a country’s footprint exceeds its biological capacity, an ecological deficit will result. What does that mean?

8. Explain the *IPAT: Another Environmental Impact Model.*

**Section 1-3**

1. List the 5 major reasons for *Why do we Have environmental Problems?*

2. Define the term *Poverty*. Explain why poverty leads to environmental problems and harmful human health effects.

3. What is meant by humans have an *Increasing Isolation from Nature*? Explain why that leads to more environmental problems.

4. What is an *Environmental Worldview*?

5. What is environmental ethics?

**Section 1-4**

1. Define an *Environmentally Sustainable Society*.

2. What do we need to do to become more sustainable?