**Chapter 1 Reading Guide**

**p. 1-2, 12, 262-264, 558, 566**

1. Identify the components that contribute to one’s ecological footprint.
2. Explain the significance of an ecological overshoot.
3. Predict what will happen to the ecological footprints of developing countries as their economic prosperities improve.
4. Review the I = P x A x T formula.
   1. Discuss the importance of the formuala.
   2. Describe each component used to calculate environmental impact.
   3. Discuss the shortcomings of this model
5. **In your words**, discuss the principles driving the idea of environmental sustainability.
6. **In your words,** explain why “we” are currently not acting sustainably.
7. Complete the following table:

|  |  |  |
| --- | --- | --- |
| Name | Notable Environmental Contributions | Significance of Contribution |
| Garrett Hardin |  |  |
| John James Audubon |  |  |
| Henry David Thoreau |  |  |
| George Perkins Marsh |  |  |
| Theodore Roosevelt |  |  |
| Gifford Pinchot |  |  |
| John Muir |  |  |
| Franklin Roosevelt |  |  |
| Aldo Leopold |  |  |
| Wallace Stegner |  |  |
| Rachel Carson |  |  |
| Paul Ehrlich |  |  |
| Gaylord Nelson &  Denis Hayes |  |  |

1. Provide an example of a global commons. Discuss why it is a global commons, if it is being used sustainably or unsustainably, and what can be done to increase sustainable use.
2. Discuss the role sustainability played in the situation involving the old-growth forests in the north west, the timber industry, the northwest spotted owl, and Northwest Forest Plan.
3. Compare the different attitudes toward the environment by completing the graphic organizer below:

Terms to Know:

|  |  |  |  |
| --- | --- | --- | --- |
| Term/Concept | Description/Explanation | Example/Significant Contribution | Illustration |
| Ecological footprint |  |  |  |
| Garrett Hardin |  |  |  |
| Environmental Sustainability |  |  |  |
| Global Commons |  |  |  |
| Tragedy of the Commons |  |  |  |
| Stewardship |  |  |  |
| Environmental worldview |  |  |  |
| Anthropocentric |  |  |  |
| Stewardship |  |  |  |
| Biocentric |  |  |  |
| Ecocentric |  |  |  |
| Precautionary principle |  |  |  |
| National Environmental Policy Act |  |  |  |
| Environmental Protection Agency |  |  |  |
| Environmental Impact Statements |  |  |  |
| Conservation |  |  |  |
| Preservation |  |  |  |