The Lorax vs. Truax Environmental Science Unit 1

e movie on You-Tube .com/downloads/truax.pdf

Complete the following using the above resources.

- 1. In the Lorax, describe the environment the Once-ler encountered when he first came to "this glorious place." Be sure to identify at least 4 components of the environment.
- 2. Looking at the different components of the environment, identify each component as being biotic or abiotic.
- 3. Remember a system is any set of interacting components that influence one another by exchanging energy or materials. Identify at least 3 systems, 2 ecosystems and 1 system of any other kind, in The Lorax and explain how the energy or materials is being exchanged and what, if any, outside factors affect the system.
- 4. Describe the human impacts on each ecosystem you identified in question 3. Be specific.
- 5. Identify each character as being an environmentalist or not. Explain your answer.
  - The Lorax
  - The Once-ler
  - The boy in the story
  - The Truax
  - The Guardbark
- 6. We can agree, based on the outcome of The Lorax, that sustainable practices were not used by the Once-ler. Thinking about the human effects he had on the environment, identify sustainable practices he could have employed to maintain both the environment and his business.
- 7. Looking at the different ecosystems in The Lorax, identify the ecosystem services provided by each.
- 8. The Lorax seemed to show up when environmental indicators started showing drastic changes in the environment. Identify the environmental indicators in the story and explain what changes were happening in the environment at the time.
- 9. In the Truax, describe the forest where the Truax the logger was working. What are some of the components of the environment? Which are biotic and which are abiotic?
- 10. Describe the ecosystem services provided by the forest and the trees in the Truax.
- 11. What sustainable practices does the Truax employ in the story?
- 12. Compare the biodiversity of the ecosystems in the Lorax to the forest in the Truax. How does the Truax explain the effects of logging on biodiversity?
- 13. Explain the Truax's belief about endangered species vs. needs.
- 14. Compare and contrast the two stories. What were these stories trying to teach?
- 15. The Truax was written after the Lorax. Why do you think this book was written?