

Case Details

Case Title:

The Disappearing Rainforest

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Grade Level(s):

Middle School

Subject(s):

Life Science

Summary:

A ranger of the Costa Rica rainforest is in need of your help! To make room for agriculture, Mr. Cutatree and his construction company are destroying Costa Rica's most precious commodity, the rain forest. As young scientists, who just happen to be vacationing on the sunny beaches, your group will need to help the ranger and explain to Mr. Cutatree how destroying the rainforest affects the rest of the world.

Suggested Citation:

Lovelace, R., & Mittal, V. A. (2008). *The disappearing rainforest*. Retrieved June 03, 2012 from Emory University, CASES Online Web site:
http://www.cse.emory.edu/cases/casedisplay.cfm?case_id=737

Learning Objectives:

1. Demonstrate in the food web how matter is transferred from one organism to another and can be recycled between organisms and the environment.
2. Explain that sunlight is the source of energy in the food web and this energy moves from organism to organism.
3. Recognize that changes in environmental conditions can affect the survival of both individual and subsequently multiple species and ecosystems.
4. Categorize relationship between organisms that are competitive or mutual beneficial.
5. Describe the characteristics of earth's major terrestrial biome and aquatic communities.

National/State Standards:

Georgia Performance Standards

S7CS1. Students will explore of the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works. (NSES Content Standard A)

S7CS5. Students will use the ideas of system, model, change, and scale in exploring scientific and technological matters. (NSES Content Standard D)

S7CS9. Students will investigate the features of the process of scientific inquiry. (NSES Content Standard A)

S7L4. Students will exam the dependency of organisms on one another and their environments. (NSES Content Standard C, F)