Activity 4

Student Models of the Biogeochemical Cycles of the Site

Standard

BIO1.LS2: Ecosystems: Interactions, Energy, and Dynamics

3) Analyze through research the cycling of matter in our biosphere and explain how biogeochemical cycles are critical for ecosystem function.

Introduction

* Students provided with chart paper create a basic model of the ecosystem observed in the previous activity.
* Challenge students to consider not only food chains and webs but the biogeochemical cycles studied earlier. Specifically, the water, carbon, and nitrogen cycles.
* Try to avoid giving an example to encourage creativity

Instruction

* Monitor student groups
  + Reinforce the chart should show examples of the water, carbon, and nitrogen cycles.
* Ask groups probing questions
* Gallery Walk
  + Two stars and a wish
    - Students will visit each other’s work and provide feedback in the form of two positive comments and one recommendation for improvement.

Evaluation

* Group charts will be displayed in the classroom or hallway for peer review.