Activity 1

Review of Nutrient Cycles

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 should be asked to create a model for a nutrient cycle.
  + Chart paper can be provided or students can create a digital representation
  + Students should focus primarily on the carbon, water, and nitrogen cycles.

Instruction

* The level of teacher instruction should be based on the quality and completeness of the student’s model
  + Some groups may only need a quick refresher while others will need more detailed instruction.
* [EdPuzzle](https://edpuzzle.com/) is a website that allows teachers to customize videos with questions, audio and much more. Teachers should assign selected videos or create videos to cover the carbon, water, and nitrogen cycles.

Evaluation

* Students should revise their model to reflect the increased understanding gained by the EdPuzzle videos and teacher instruction.