

Bio 35.1

Goals

- * Describe water, nitrogen, and carbon cycles
- * Characterize the process of nutrient cycling in terms of reservoirs and flows
- * Identify scientific principles behind technology

Plan

Where do organisms get their water

Review water cycle (MS life science level) (10 min)

Video: Water and Classical Civilizations: Crash Course World History 222 (10 min)

Carbon and the short and long carbon cycles (10 min)

Video: The Hydrologic and Carbon Cycles: Always Recycle! - Crash Course Ecology #8 (10 min)

Nitrogen and Fritz Haber (10 min)

Video: Fritz Haber: Great Minds (10 min)

Feedback and rates (5 min)

Types of interactions, activity (15 min)

Classification of ecosystems (remainder)

Bio 35.2

Quiz: Ecological cycles

Essays (open resources)