

NGSS HS-LS2-3

Curriculum Bundle

Cycling of Matter and Energy Flow

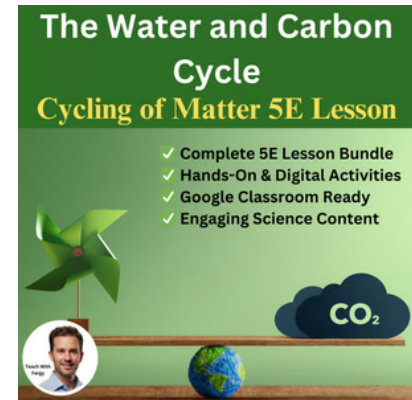
- ✓ 1 Lesson and 5 Activities
- ✓ Everything You Need to Teach NGSS HS-LS2-3



Resources Included

- ✓ **1 Lesson**
- ✓ **5 Activities**

- The Cycling of Matter - 5E Lesson Bundle
 - Cycling of Matter in Ecosystems – Lesson
 - The Carbon Cycle and Water Cycle - Lab Station Activity
 - The Water Cycle – Reading
 - Water Cycle and Carbon Cycle Diagram Activity
 - Cycling of Matter in Ecosystems – Digital Scavenger Hunt Activity
- Cycling of Matter in Ecosystems – Digital Boom Cards



UPGRADE to the Bundle



This Bundle:

- ✓ Covers the entire NGSS HS-LS2 Standard
- ✓ Includes Many Lessons, Activities, Projects, and More
- ✓ Is No Prep & Fully Editable

NGSS HS-LS2

Ecosystems: Interactions,
Energy, and Dynamics

Full Standard BUNDLE

- ✓ Everything You Need to Teach NGSS HS-LS2
- ✓ Lessons, Activities, Labs, Projects, and more
- ✓ HS-LS2-1, LS2-2, LS2-3, LS2-4, LS2-5, LS2-6, LS2-7, LS2-8



Everything You Need to Teach NGSS HS-LS2-3

The Water and Carbon Cycle Cycling of Matter 5E Lesson

- ✓ Complete 5E Lesson Bundle
- ✓ Hands-On & Digital Activities
- ✓ Google Classroom Ready
- ✓ Engaging Science Content



Cycling of Matter in Ecosystems Lesson

The Water Cycle
• Falls water moves around Earth's surface as lakes, rivers and oceans.
• Water is taken up by plants and is released via transpiration or consumed by animals.

The Carbon Cycle
Carbon is recycled in the carbon cycle through several processes, but mostly through photosynthesis and respiration.

- ✓ Comprehensive Lesson Package
- ✓ Interactive & Video-Enhanced
- ✓ Google & Office Compatible
- ✓ Assessment Included

Reading Comprehension Passage & Questions

The Water Cycle

6th, 7th, and 8th Grade Science

- ✓ No Prep, Ready-to-Use Resource in Google and Office Format
- ✓ Includes Comprehension and Extension Questions



Device-Based Scavenger Hunt Cycling of Matter in Ecosystems



- Includes
- 5 Unique Locations
 - Online form submission
 - Answer Key

Works on all smartphones, tablets, Chromebooks and laptops

- 100% Digital
- Simulations
- Quizzes
- Videos
- Games
- Word Scramble
- and more

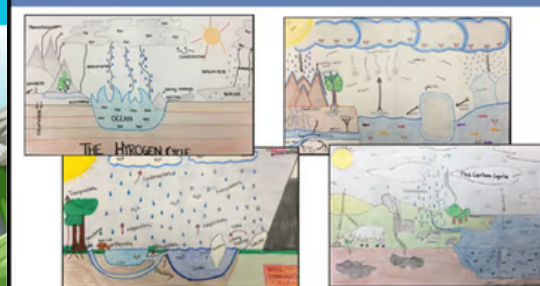


Carbon and Water Cycle Lab Station Activity



Your lab station contains 7 unique activities to get your students out of their seats and engaged in their learning.

Water and Carbon Cycle Activity



- ✓ Hands-On Water & Carbon Cycle Models
- ✓ Grading Made Easy
- ✓ Perfect for Multiple Grades
- ✓ Real Student Examples Included

Cycling of Matter in Ecosystems

Cycling of Matter
Drag the term below to its stacked and location on the diagram.

Cycling of Matter
Drag-and-drop the following terms from the right to create the water cycle below.

Condensation

Evaporation

Transpiration

Surface Runoff

Infiltration

Percolation

Cycling of Matter
Carbon is added to the atmosphere by the process known as:

Transpiration

Photosynthesis

Combustion

Carbon Fixation

Cellular Respiration

Cycling of Matter
When the animals and plants die, they break down the dead organism and release the phosphorus back into the soil, continuing the cycle.

25 DIGITAL TASK CARDS

Boom Learning is an Academics' Choice Awards™ Smart Media award winner



The Standard is Explained and the Resources it Incorporates are Outlined

HS LS2 Ecosystems: Interactions, Energy, and Dynamics

HS-LS2-3. Construct and revise an explanation based on evidence for the cycling of matter and flow of energy in aerobic and anaerobic conditions. [Clarification Statement: Emphasis is on conceptual understanding of the role of aerobic and anaerobic respiration in different environments.] [Assessment Boundary: Assessment does not include the specific chemical processes of either aerobic or anaerobic respiration.]

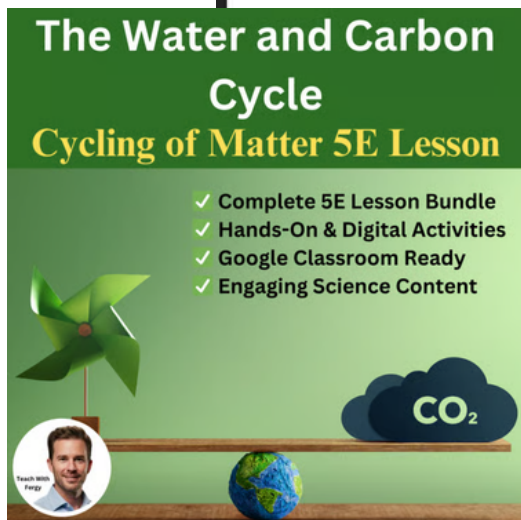
Resources:

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The Water and Carbon Cycle

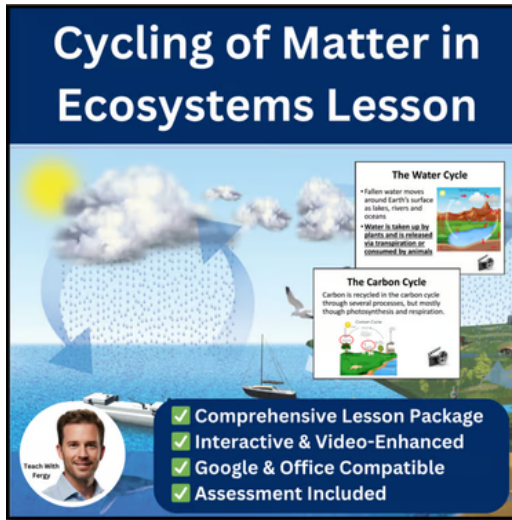
Cycling of Matter 5E Lesson

- ✓ Complete 5E Lesson Bundle
- ✓ Hands-On & Digital Activities
- ✓ Google Classroom Ready
- ✓ Engaging Science Content



Teach With A Frog

Cycling of Matter in Ecosystems Lesson



The Water Cycle
• Fallen water moves around Earth's surface as lakes, rivers, and oceans.
• Water is taken up by plants and is released via transpiration or consumed by animals.

The Carbon Cycle
Carbon is recycled in the carbon cycle through several processes, but mostly through photosynthesis and respiration.

- ✓ Comprehensive Lesson Package
- ✓ Interactive & Video-Enhanced
- ✓ Google & Office Compatible
- ✓ Assessment Included

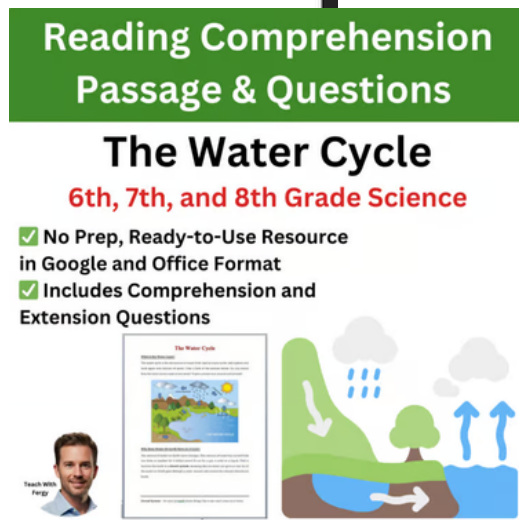
Teach With A Frog

Reading Comprehension Passage & Questions

The Water Cycle

6th, 7th, and 8th Grade Science

- ✓ No Prep, Ready-to-Use Resource in Google and Office Format
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Teach With A Frog

Who is this Bundle for?

- **Teachers who teach High School science and use the NGSS**
- **Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to meet the standard**
- **Teachers who don't have time to develop their own resources or organize what to teach and when**