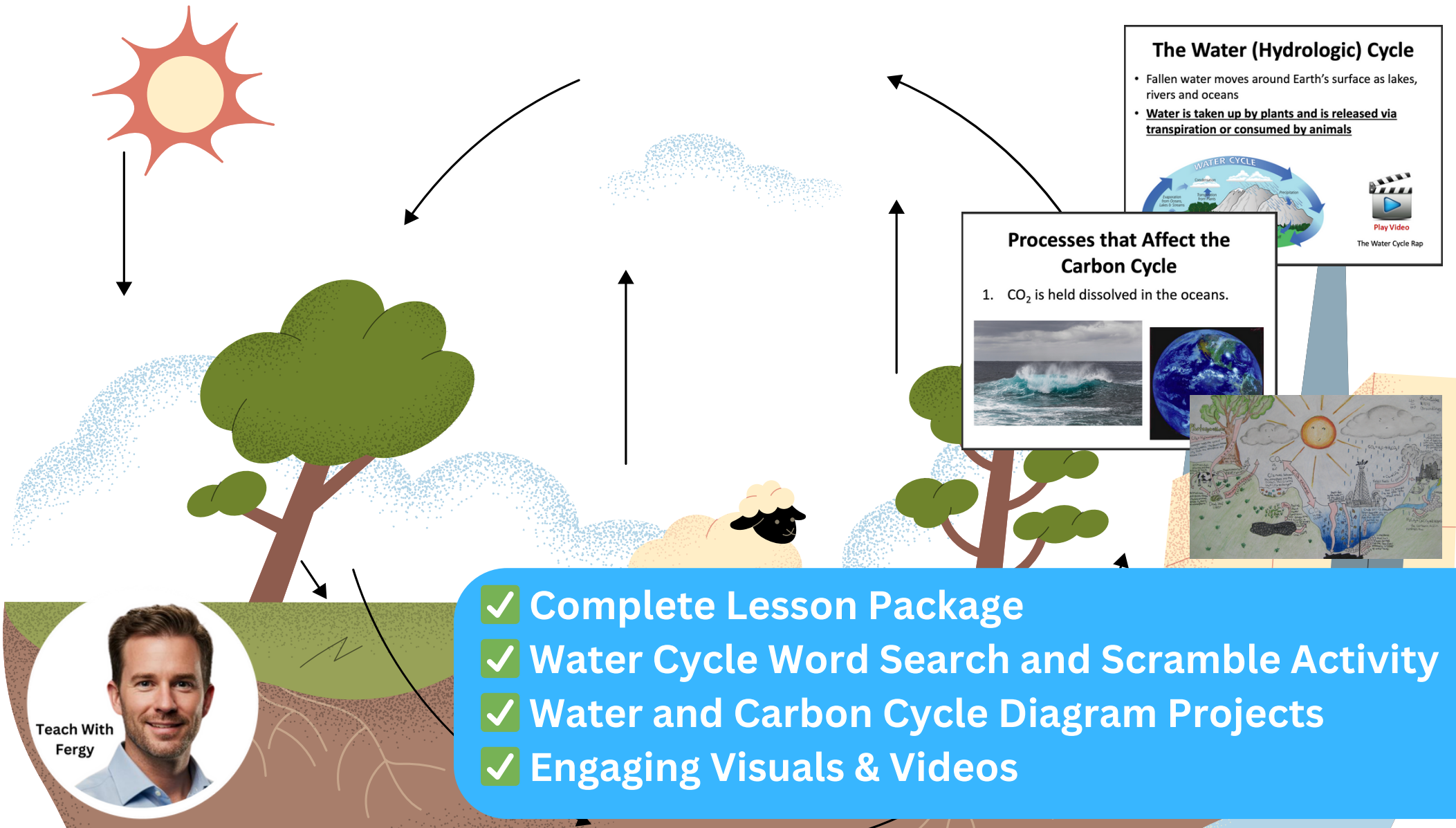


Water and Carbon Cycle Lesson Bundle



Your Lesson

- ✓ **Complete Lesson Package** – Includes student and teacher PowerPoint versions, a Bill Nye video worksheet, embedded videos, and a lesson handout.
- ✓ **Water and Carbon Cycle Diagram Projects** – Two creative and differentiated cycle diagrams projects where students showcase their understanding through design while following structured guidelines.
- ✓ **Water Cycle Word Search and Scramble Activity** – A water cycle vocabulary practice pack featuring three differentiated activities - a traditional word search, a scrambled word search, and a word scramble with definitions.
- ✓ **Engaging Visuals & Videos** – The lesson features THREE embedded videos to support learning and comprehension.

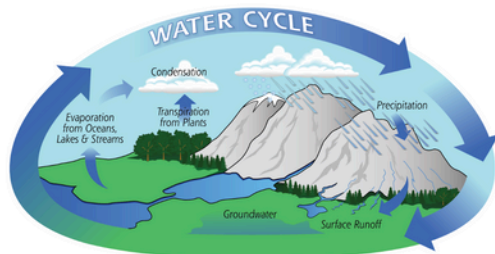
The Water (Hydrologic) Cycle

- 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 Water (Hydrologic) Cycle

- Fallen water moves around Earth's surface as lakes, rivers and oceans
- _____



Play Video

The Water Cycle Rap

Cycling of Matter: The Water & Carbon Cycle – Student Notes

Biogeochemical Cycles

- All water and nutrients must be produced or obtained from chemicals already present in the environment.
- This happens through biogeochemical cycles - _____

The Water (Hydrologic) Cycle

- Liquid water evaporates, forming water vapour that moves through the atmosphere
- _____

The Water (Hydrologic) Cycle

- Fallen water moves around Earth's surface as lakes, rivers and oceans
- _____

The Carbon Cycle

- The biogeochemical cycle in which carbon is _____
- Carbon is an important element, because it is the basic building block of living things.

The Carbon Cycle

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

Processes that Affect the Carbon Cycle

1. CO₂ is held dissolved in the oceans.

Processes that Affect the Carbon Cycle

- _____
- Decaying matter is often trapped, but no oxygen is available to help recycle it.

Processes that Affect the Carbon Cycle

3. Humans increase the amount of CO₂ in the air by burning fossil fuels and by removing vegetation.

Why?

Why does destroying plants increase CO₂ in the air?

Why?

Getting rid of plants:

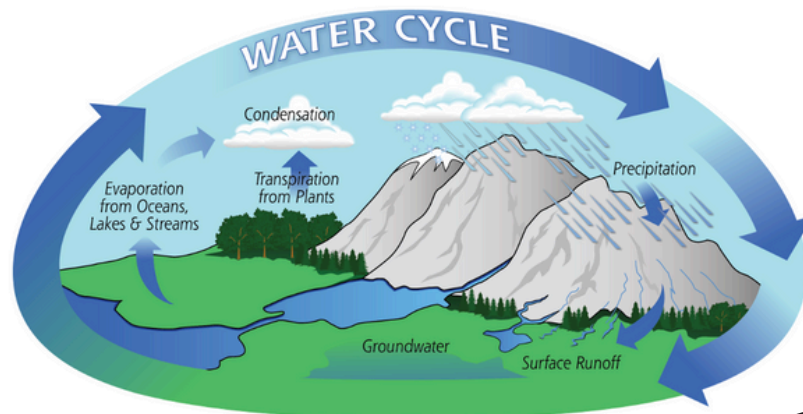
- _____
- _____



Have your students complete the student version of the notes while you teach. Student notes come mostly filled in so students can spend more time listening and less time copying notes.

The Water (Hydrologic) 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**



Play Video

The Water Cycle Rap

Videos embedded in directly into your slides. One-click access.

- 

[illegible]

Buyer Comments

“Great resource for checking student understanding!”

“I really like the guided notes. It helps keep students focused.”

“Great resource!”

