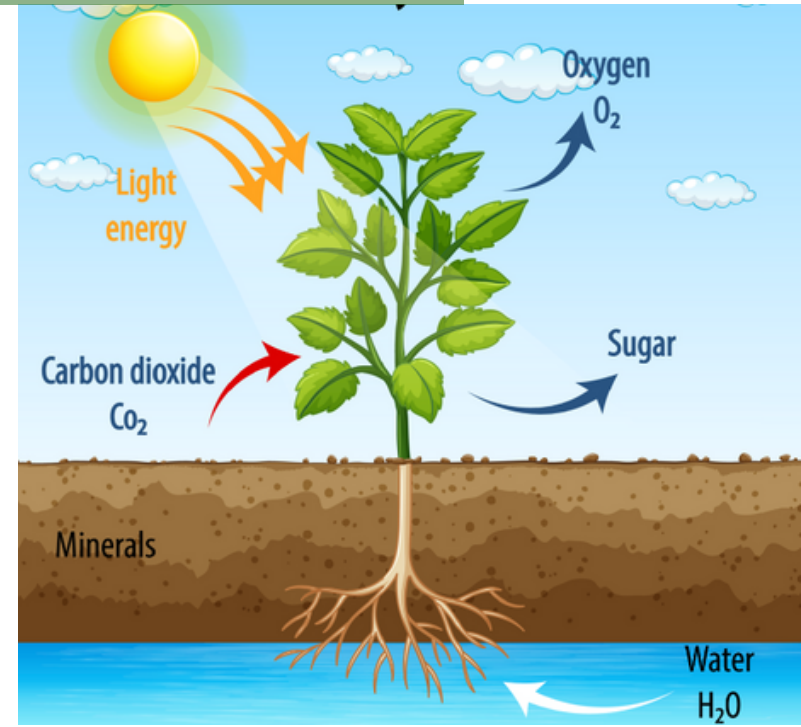
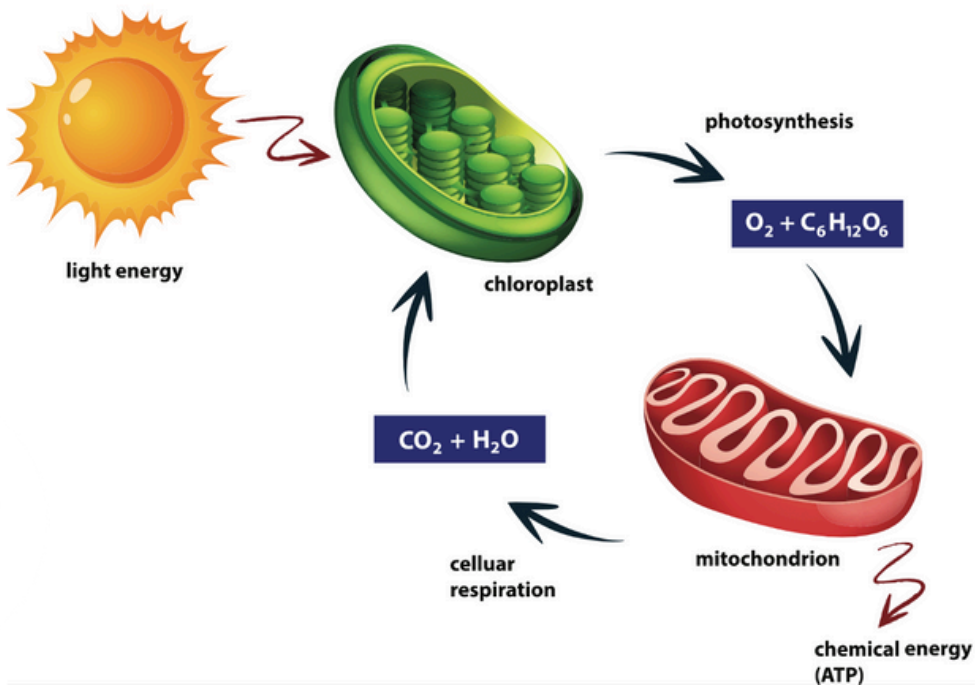


NGSS HS-LS2-5

Curriculum Bundle

Modeling Carbon Cycling: Photosynthesis and Respiration

- ✓ 2 Lessons and 5 Activities
- ✓ Everything You Need to Teach NGSS HS-LS2-5



Resources Included

✓ 2 Lessons

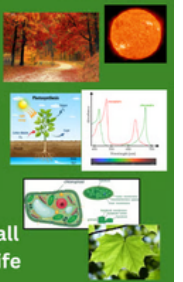
✓ 5 Activities

- Photosynthesis – Lesson
- Photosynthesis – Reading
- Photosynthesis Comic Book Assignment
- Photosynthesis and Cellular Respiration BINGO
- Photosynthesis and Cellular Respiration - Crossword Puzzle Activity
- Cellular Respiration – Lesson
- Cellular Respiration - Lab Station Activity

Photosynthesis

- Earth's Energy Budget
- Photosynthesis Introduction
- Pigments
- Why Plants are Green
- Light
- Chlorophyll a & b
- Carotenoids
- Why Some Leaves Change Color in the Fall
- Photosynthesis and Life

TWF



Cellular Respiration

- Energy and ATP – Cellular Currency
- What Cellular Respiration is
- Glucose and Cellular Respiration
- Mitochondria
- Application – Exercise
- Application – Cyanide
- Application – Rigor Mortis
- Photosynthesis and Cellular Respiration

TWF



PHOTOSYNTHESIS COMIC BOOK ASSIGNMENT

High School

- Students create a comic book that narrates the journey of a carbon atom through the process of photosynthesis
- Full rubric included



TWF

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

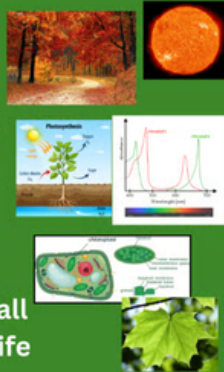


Everything You Need to Teach NGSS HS-LS2-5

Photosynthesis

- Earth's Energy Budget
- Photosynthesis Introduction
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Photosynthesis Science Reading Comprehension Article - Grade 10 and Up



Improve your students' Scientific Literacy and Analysis Skills, use as an Emergency Substitute Plan or Create Applicability in your Classroom

TWF

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High School

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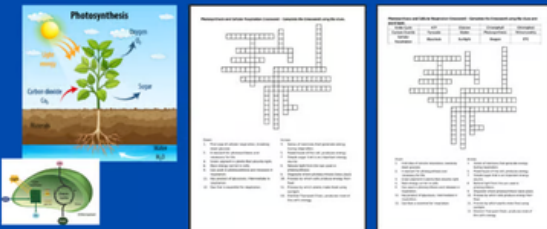


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Photosynthesis and Cellular Respiration - GRADE 10-12 Crossword Puzzle

- 15 - Term Crossword
- Includes 2 Versions
 - Version 1 - No Word Bank
 - Version 2 - Includes a Word Bank

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- Photosynthesis and Cellular Respiration

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Photosynthesis and Cellular Respiration



Cellular Respiration Lab Station Activity



7 Lab Station Activities to get your kids out of their seats and engaged in their learning

The Standard is Explained and the Resources it Incorporates are Outlined

HS LS2 Ecosystems: Interactions, Energy, and Dynamics

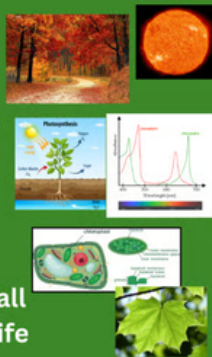
HS-LS2-5. Develop a model to illustrate the role of photosynthesis and cellular respiration in the cycling of carbon among the biosphere, atmosphere, hydrosphere, and geosphere. [Clarification Statement: Examples of models could include simulations and mathematical models.] [Assessment Boundary: Assessment does not include the specific chemical steps of photosynthesis and respiration.]

Resources:

- Photosynthesis – Lesson
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High School

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- Full rubric included



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**