

NGSS HS-LS1-5

Curriculum Bundle

Photosynthesis: Light to Chemical Energy

- ✓ 2 Lessons and 5 Activities
- ✓ Everything You Need to Teach NGSS HS-LS1-5

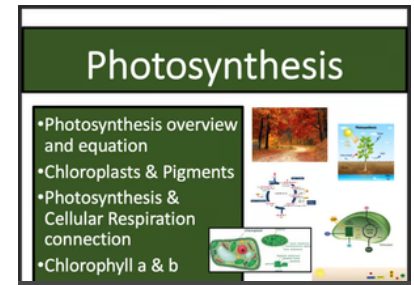


Resources Included

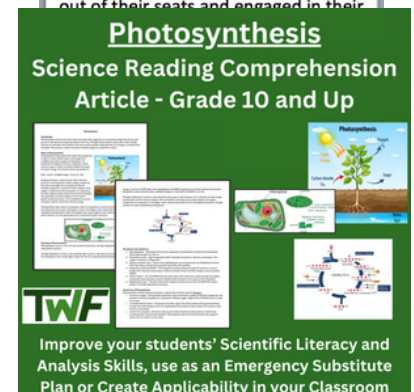
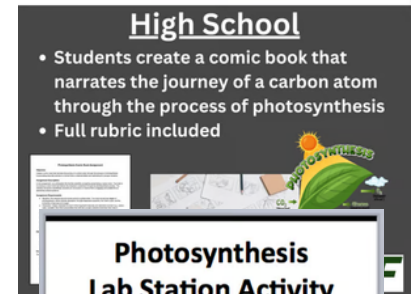
✓ 2 Lessons

✓ 5 Activities

- Photosynthesis - Lesson – Grades 9 and 10
- Photosynthesis - Lesson - Grades 11 and 12
- Crash Course Photosynthesis - Video Worksheet
- Photosynthesis – Reading
- Photosynthesis - Infographic Assignment
- Photosynthesis - Comic Book Assignment
- Photosynthesis - Lab Station Activity



PHOTOSYNTHESIS COMIC BOOK ASSIGNMENT



UPGRADE to the Bundle

CLICK HERE



This Bundle:

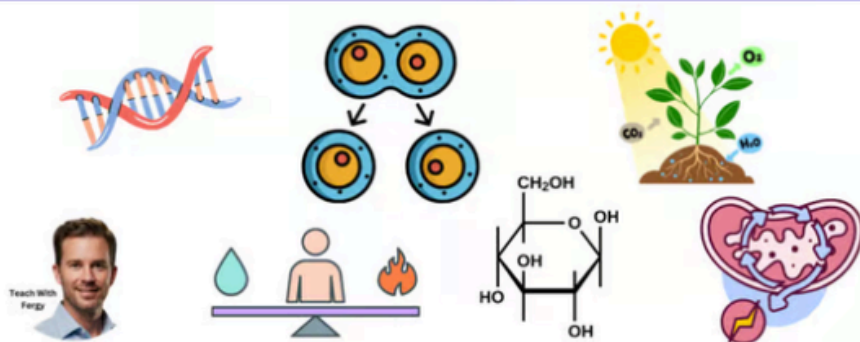
- ✓ Covers the entire NGSS HS-LS1 Standard
- ✓ Includes Many Lessons, Activities, Projects, and More
- ✓ Is No Prep & Fully Editable

NGSS HS-LS1

**Molecules to Organisms:
Structures & Processes**

Full Standard BUNDLE

- ✓ Everything You Need to Teach NGSS HS-LS1
- ✓ Lessons, Activities, Labs, Projects, and more
- ✓ HS-LS1-1, LS1-2, LS1-3, LS1-4, LS1-5, LS1-6, LS1-7



Everything You Need to Teach NGSS HS-LS1-5

Photosynthesis

Photosynthesis

- Process whereby plants convert CO_2 , water, and the energy from the Sun into sugar.
- Occurs in the leaves of plants in organelles called chloroplasts

carbon dioxide + water

Photosynthesis Overview

Photosynthesis - Exit Ticket

What is the main purpose of photosynthesis?

- ☐ To absorb sunlight
- ☐ To produce oxygen
- ☐ To make glucose
- ☐ All of these

4-Question, Autograded Exit Ticket

Videos embedded directly in your slides

TWF

Photosynthesis

- Photosynthesis overview and equation
- Chloroplasts & Pigments
- Photosynthesis & Cellular Respiration connection
- Chlorophyll a & b
- The Light Reaction
- The Light Independent Reaction/Calvin Cycle
- Essential RuBisCO

TWF

Crash Course Biology 2.0 #28: Photosynthesis: The Original Solar Power

- ✓ Classroom Ready - Just Print and Go!
- ✓ Active Engagement - Keep Students' Attention
- ✓ Direct Video Link Included

WATCH VIDEO



Includes Student and Answer Key

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**

PHOTOSYNTHESIS INFOGRAPHIC ASSIGNMENT

- Students are tasked with creating infographic that demonstrates their understanding of photosynthesis
 - Full rubric included
-
- TWF**

Photosynthesis Science Reading Comprehension Article - Grade 10

TWF

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

Photosynthesis 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 LS1 From Molecules to Organisms: Structures and Processes

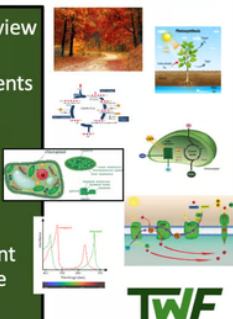
MS-LS1-5. Use a model to illustrate how photosynthesis transforms light energy into stored chemical energy. [Clarification Statement: Emphasis is on illustrating inputs and outputs of matter and the transfer and transformation of energy in photosynthesis by plants and other photosynthesizing organisms. Examples of models could include diagrams, chemical equations, and conceptual models.] [Assessment Boundary: Assessment does not include specific biochemical steps.]

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Photosynthesis Lab Station Activity



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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

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**