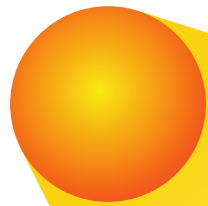


Photosynthesis

Lesson

6th, 7th, 8th Grade

- ✓ Introduces Photosynthesis - No Prep and Editable
- ✓ Lesson and Infographic Activity
- ✓ Connects Photosynthesis and Cellular Respiration

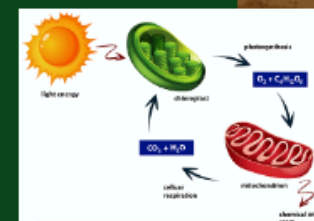
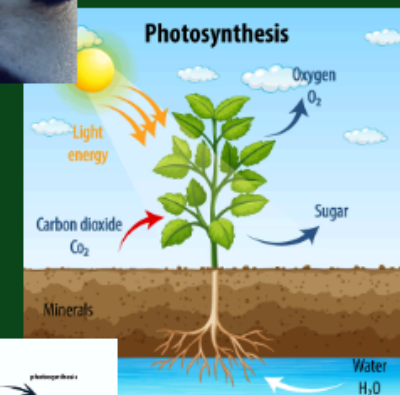


Teach With
Fergy

Photosynthesis

Lesson

- Cellular energy (ATP)
- Solar energy
- Earth's energy budget
- Chloroplasts
- Chlorophyll
- Why Leaves Change Color
- Photosynthesis and Cellular Respiration
- Photosynthesis and Life

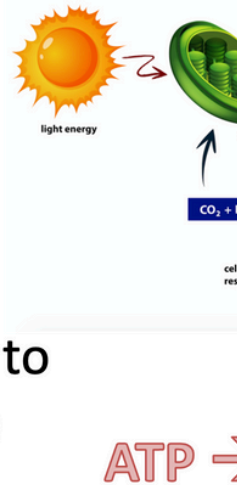


Your Lesson

- ✓ **Covers Photosynthesis & Cellular Respiration** with inquiry-based slides and discussion prompts
- ✓ **Includes Teacher + Student Presentations**, Auto-Graded Exit Ticket & Infographic Activity
- ✓ **Aligned with NGSS** MS-LS1-5, MS-LS1-6, MS-LS1-7, and MS-LS2-3 standards
- ✓ **No-Prep, Editable Format** with built-in videos and fill-in-the-blank student notes

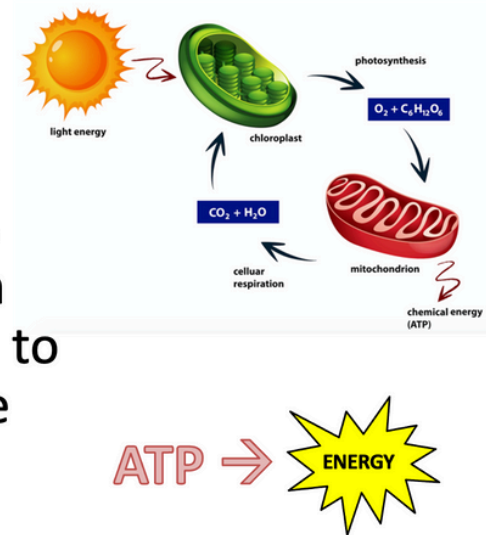
Photosynthesis and Life

- Plants perform photosynthesis to create sugars
- Plants and animals use those sugars in cellular respiration to make energy in the form of ATP



Photosynthesis and Life

- _____
- Plants and animals use those sugars in cellular respiration to make energy in the form of ATP



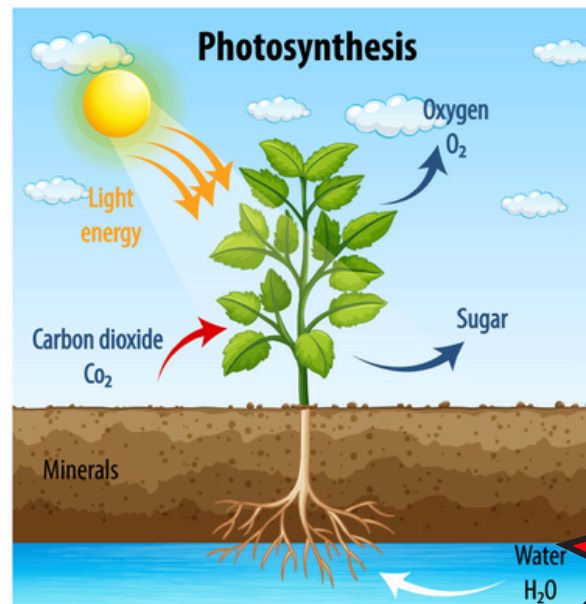
- Have your students complete the student version of the notes while you teach
- Student notes come mostly filled in so students can spend more time listening and less time copying notes.

Photosynthesis



Performed in the Chloroplasts of plant cells

Carbon Dioxide + Water + Light Energy → Glucose (Sugar) + Oxygen



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

Photosynthesis - Exit Ticket

* Indicates required question

What is the primary energy molecule that cells use to perform thousands of * 1 point chemical reactions each second?

- ☐ DNA
- ☐ Glucose
- ☐ ATP
- ☐ Oxygen

Next

Page 1 of 4

Clear form

Includes student notes
in easy-to-fill-in
formats.

4-Question, Auto-Graded Exit Ticket based on information from the lesson.

Photosynthesis – Student Notes

Cell Currency (Payment)

- Currency = Energy = ATP
- We use currency (money) every day to do things like buy food, pay bills, etc.

ATP (Energy for the Cell)

- Our bodies perform cellular respiration to create energy (ATP) from the sugar (glucose) that is created by plants during photosynthesis

Process of Photosynthesis – The Most Important Process in the World! Copy the diagram into your notes below

Solar Energy

- Plants do something similar. They convert light energy into chemical energy (sugar) which the organism can use to move, talk, run, etc.

Earth's Energy Budget

Copy the diagram into your notes below

Chloroplasts

- Chloroplasts are located inside plant cells
- They contain the pigment chlorophyll which gives plants their green color and allows them to absorb
- Plants and animals use that sugar to survive

Photosynthesis

Carbon Dioxide + Water + Light Energy → Glucose (Sugar) + Oxygen

Pigments

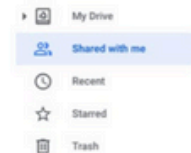
- Chlorophyll is the most important pigment for photosynthesis present in plants
- However, other pigments are also present in the leaf

Light

- Different substances absorb different colors depending on the structure

Google Access

Thank you for your purchase. Clicking the link button below will automatically create a copy of the Google resources and place them into your Google Drive. You'll find the folder inside the 'Shared with me' section on the left side of your Drive.



Important: Before you click, make sure you're signed in to the Google account you'd like the resources placed into. If the resources are added to the wrong account, simply sign out and then into the correct one and repeat the process.

Click here to place a copy
of your resources into your
Google account



TWF

**Google Classroom Ready
One-Click Google Slides Access**

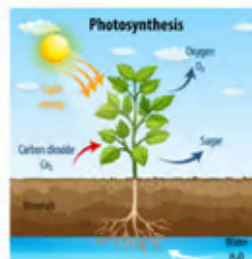
Bonus!

Your lesson also includes my Middle School Photosynthesis Infographic Assignment - FREE

PHOTOSYNTHESIS INFOGRAPHIC ASSIGNMENT

Middle School

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



TWF

Who is it for?

- ✓ Middle School Science Teachers
- ✓ Teachers using NGSS
- ✓ Teachers who want to increase studentss engagemetn and retention
- ✓ Teachers not looking to reinvent the wheel
- ✓ Teachers who dn't wan to spend all their time prepping