

Lesson Plans | PPTs | Worksheets | Google Forms

PHOTOSYNTHESIS

✓ Comprehensive STEAM Printable
EDITABLE Lesson Plans in .DOC

✓ **Editable PPTs** & copy in **PDF**

✓ MCQs & Short Responses

Formatted **Work Sheets (Editable)**

✓ MCQs (**Auto Check**) & Short Responses

Digital **Google Forms (Google Classroom Ready)**



 **FULLY EDITABLE** |  **NO PREP** | **GRADES 2-8**



Comprehensive & Interactive Lesson Plans for Photosynthesis

Photosynthesis Unit Plan

Week 1: Introduction to Photosynthesis

Lesson 1: What is Photosynthesis?

Date: Monday, August 17, 2026

Duration: 40 minutes

Learning Objectives:

- Define photosynthesis
- Identify the main components needed for photosynthesis
- Explain the importance of photosynthesis for plants and other living things

Teaching Methodology:

- Direct instruction
- Group discussion
- Visual aids

Lesson Plan:

1. Introduction (5 minutes)
 - Ask students what they know about how plants get their food
 - Introduce the term "photosynthesis"
2. Main Lesson (20 minutes)
 - Explain the basic concept of photosynthesis
 - Discuss the main components: sunlight, water, carbon dioxide
 - Show a simple diagram of the photosynthesis process
3. Group Activity (10 minutes)
 - In small groups, have students create a skit to demonstrate the process of photosynthesis
4. Wrap-up (5 minutes)
 - Review key points
 - Preview next lesson on chloroplasts

Homework:

- Draw and label a diagram of photosynthesis

Tips for Teachers:

- Use analogies to help students understand (e.g., plants as factories, leaves as solar panels)
- Encourage students to think about the role of photosynthesis in their daily lives

****Unlock Photosynthesis Mastery!**** These meticulously crafted lesson plans by experienced USA/UK educators offer ready-to-teach resources. Maximize student success with comprehensive objectives, engaging activities, classwork, homework, and assessment ideas. ****Save time, inspire learning, boost results!****

No Prep & Interactive Google Slides/PowerPoint:
Ready-to-Teach Visuals to teach

Photosynthesis

NO-PREP
PRESENTATION:
CAPTIVATE
STUDENTS &
CLARIFY CONCEPTS!

EDITABLE PPT & PDF
WITH RELEVANT HD
IMAGES



What is Photosynthesis?

- Photosynthesis is how plants make their own food
- It's like a plant's superpower!
- Plants use sunlight, water, and carbon dioxide to make glucose (sugar) and oxygen
- Can you think of other living things that make their own food?



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The Ingredients of Photosynthesis

Photosynthesis

Ingredients			Product	
Sunlight + $H_2O + CO_2 + \text{Nutrients}$			$\rightarrow$ "CH ₂ O" + O ₂	
Water	Carbon dioxide	Nitrate NO ₃ Phosphate PO ₄ Iron Silica among others	"Organic matter"	Oxygen

- Sunlight: Energy from the sun
- Water: Absorbed through the roots
- Carbon dioxide: Taken in from the air
- Chlorophyll: The green pigment in leaves
- What do you think would happen if one of these ingredients was missing?



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The Magic Factory: Chloroplasts

- Chloroplasts are tiny factories inside plant cells
- They contain chlorophyll, which gives plants their green color
- Chloroplasts capture sunlight and turn it into energy
- How many chloroplasts do you think are in one leaf?



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Self-Grading Quizzes & Assessments

- 01- Copy from the given link
- 02- Student attempts
- 03- Results saved
- 04- Insights
- 05- Review

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Copy of Types of Sentences (Responses)

Timestamp	Score	Important Quiz
23/06/2025 21:37:09	9 / 20	Yes, I have read

1. Which type of sentence states a fact or opinion?

☐ Interrogative

☐ Imperative

☐ Declarative

☐ Exclamatory

2. A sentence that asks a question is called: *

☐ Declarative

☒ Interrogative

☐ Imperative

☐ Exclamatory

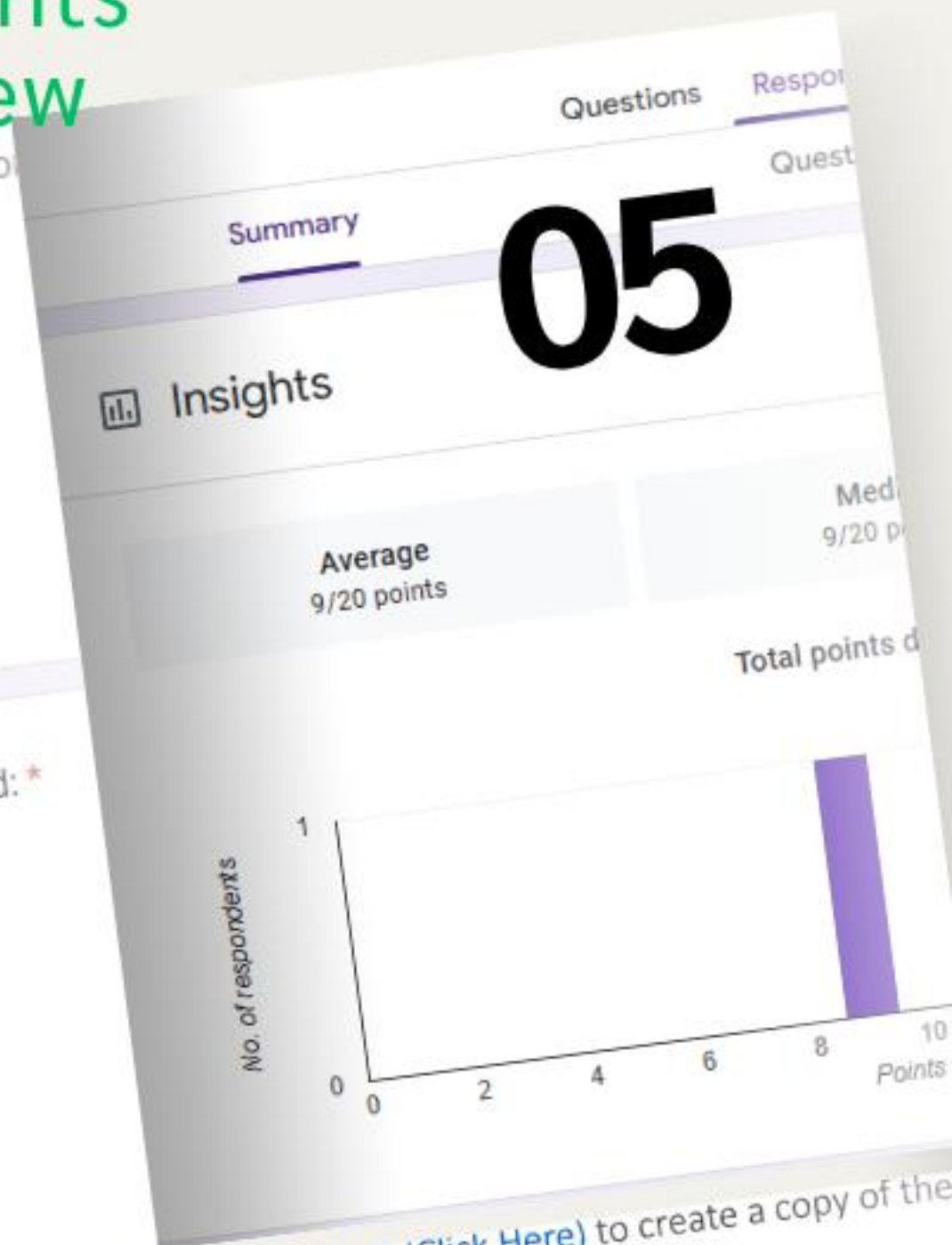
Frequently missed questions

Question

3. Which punctuation mark typically ends an imperative sentence?

4. "What a beautiful day!" is an example of which sentence type?

5. Which sentence type often begins with a verb?



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Use [This Link \(Click Here\)](#) to create a copy of the Online Structured Questions Quiz

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Step by Step Video Guide for MCQs: <https://youtu.be/NHxS3gWujXk>

Step by Step Video Guide for Short Question: <https://youtu.be/qVxiMINOU>

Step 1: Copy The Link

Click the above link to copy the Google Form to your Google Drive.

Step 2: Edit or Upgrade as per your needs:

Want to modify questions? Just edit the form directly:

- Click any question to edit text or point values (Marks)
- Click the "+" button to add new sections

SAMPLE QUESTION TYPES SHOWN; ACTUAL QUESTIONS WILL MATCH THE RESOURCE TOPIC.

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NOW**

ANSWER KEY

Question	Correct Answer
1	C
2	B
3	D
4	D
5	C
6	B
7	C
8	C
9	C
10	D
11	D
12	C
13	B

3. Which punctuation mark typically ends an sentence?

- a) Question mark
- b) Exclamation point
- c) Period
- d) Both b and c are possible

4. "What a beautiful day!" is an example of which sentence type?

- a) Declarative
- b) Interrogative
- c) Imperative
- d) Exclamatory

5. Which sentence type often begins with a verb?

- a) Declarative

TYPES OF SENTENCES

Roll No: _____ Name: _____

Class: _____ Section: _____

Date: _____ Subject: _____

School: _____

1. Which type of sentence states a fact or opinion?

- a) Interrogative
- b) Imperative
- c) Declarative
- d) Exclamatory

2. A sentence that asks a question is called:

- a) Declarative
- b) Interrogative
- c) Imperative

SAMPLE QUESTION TYPES SHOWN; ACTUAL QUESTIONS WILL MATCH THE RESOURCE TOPIC.

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Type of Sentences Short Response Questions

Roll No: _____ Name: _____

Class: _____ Section: _____

Date: _____ Subject: _____

School: _____

Instructions: Answer all questions in complete sentences. Write clearly and concisely. Each response should be 3-5 sentences. Use the provided lines for your answers.

Q1: Define a declarative sentence and provide an example.

Answer Key

Sample Answer to Question 1

A declarative sentence states a fact or opinion and ends with a period.
Example: "The sky is blue."

Sample Answer to Question 2

To turn a declarative sentence into an interrogative sentence, add a question word or auxiliary verb and end with a question mark.
Example: "The sky is blue." becomes "Is the sky blue?"

Sample Answer to Question 3

The main purpose of an exclamatory sentence is to express strong emotion or excitement.

Sample Answer to Question 4

Common question words: Who, What, Where (also How, When, Why)

Sample Answer to Question 5

A period at the end of an imperative sentence gives it a command, while an exclamation point adds urgency or emphasis.

What is the main purpose of an exclamatory sentence?

List three common question words used in interrogative sentences.

SAMPLE QUESTION TYPES SHOWN; ACTUAL QUESTIONS WILL MATCH THE RESOURCE TOPIC.

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