Introduction to Dhotocum	thosis
Introduction to Photosyn	
Read the introduction to pho	tosynthesis and answer the following questions:
1. What is photosynthesi	s?
2. Why is photosynthesis	important?
<u> </u>	
Foundation: Matching Ga	ıme
Match the following words to	their definitions:
Term	Definition
Photosynthesis	
Chlorophyll	
Glucose	
Oxygen	

Write a short para	raph explaining what	photosynthesis is	and why it is imp	ortant:	
	anala anal Wista				
Extension: Rese	arch and Write				
	arch and Write about the different t	ypes of photosynt	hesis, such as C3,	C4, and CAM:	
		ypes of photosynt	hesis, such as C3,	C4, and CAM:	
Extension: Rese		ypes of photosynt	hesis, such as C3,	C4, and CAM:	

The Essential Ingredients	
Identify the essential ingredients for photosynthesis:	

Ingredient	Description
Light	
Water	
Carbon Dioxide	
Chlorophyll	

Explain the Role of Each Ingredient
Explain the role of each ingredient in the process of photosynthesis:
1. Light:
2. Water:
3. Carbon Dioxide:
4. Chlorophyll:
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r age or ro

equence the steps o	f photosynthesis:		
1			
2			
3			
4.			
i			
reate a Diagram			
reate a diagram illus	strating the process of photos	synthesis:	
Space for diagram			
opace for diagram			
	Page of 10		

eir descriptions:
Description

Real-World Applications

Research and Present	
Research and present on a real-world application of photosynthesis:	

Interactive Activity	
Complete a crossword puzzle using vocabulary related to photosynthesis:	
[Space for crossword puzzle]	
Create a Concept Map	
Create a concept map illustrating the relationships between the essential ingredients and the process of photosynthesis:	of
[Space for concept map]	

Case Study	
Read and answer questions about a case stud	ly on a specific plant or ecosystem:
1. What is the name of the plant or ecosys	stem?
2. What are the essential ingredients for p	photosynthesis in this plant or ecosystem?
h	
Analyze the Case Study	
Analyze the case study and explain how photo or ecosystem:	osynthesis contributes to the survival and success of the plant

Reflect on what your actural world:	u have learned abou	t photosynthesis a	and how it has chan	ged your understandir	ng of the
Vrite a Reflecti	ve Essay				
	ve Essay essay on the importal	nce of photosynth	esis and its impact	on the environment:	
		nce of photosynth	esis and its impact	on the environment:	

mplete a m	ultiple-choice quiz t	o test your unders	tanding of photosy	nthesis:	
1. What is	the primary functio	n of chlorophyll in	photosynthesis?		
2. What is	the byproduct of pl	notosynthesis that	is released into t	ne atmosphere?	
ort-Answ	er Questions				
		to toot your undo	retanding of photo	cynthocic	
mplete sho	rt-answer questions			synthesis:	
mplete sho				synthesis:	
mplete sho	rt-answer questions			synthesis:	
mplete sho	rt-answer questions			synthesis:	
mplete sho	rt-answer questions			synthesis:	
mplete sho	rt-answer questions	edients for photos		synthesis:	
mplete sho	rt-answer questions e the essential ingr	edients for photos		synthesis:	
mplete sho	rt-answer questions e the essential ingr	edients for photos		synthesis:	

Term	Definition
Photosynthesis	
Chlorophyll	
Glucose	
Oxygen	
Create a Glossary	
Create a glossary of terms related	to photosynthesis:
[Space for glossary]	

Glossary

Define the following terms:

d and how you can a	pply it to real-world	situations:	
	d and how you can a	d and how you can apply it to real-world	d and how you can apply it to real-world situations: