

DIGITAL LESSON

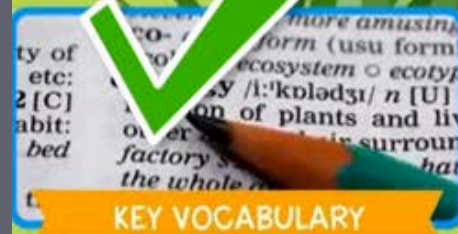


# PHOTOSYNTHESIS



DIGITAL LESSON

# PHOTOSYNTHESIS



## WHAT ARE LIGHTNING LESSONS?

Short, engaging, fully digital lessons that:

- Introduce and Build Tier 3 Academic Vocabulary
- Introduce Key concepts with engaging videos or digital lessons
- Include a Practice Activity
- Include a short quiz or assessment

DIGITAL LESSON

# PHOTOSYNTHESIS

eco-logy: ecosystem ○ ecoty/  
ecology: ecosystem ○ ecoty/  
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etc:  
2 [C]  
abit:  
bed  
the  
eco-lo-gical  
lods

**eco-logy** /i:'kɒlədʒi/ n [U]  
relation of plants and liv  
other and to their surroun  
factory's sewage system hat  
the whole a  
eco-lo-gical  
lods

KEY VOCABULARY

VIDEO

GROW YOUR OWN PLANT

QUIZ

## EASY TO NAVIGATE HUB

Perfect for whole class  
instruction on a smart board  
or projector.

★ or ★

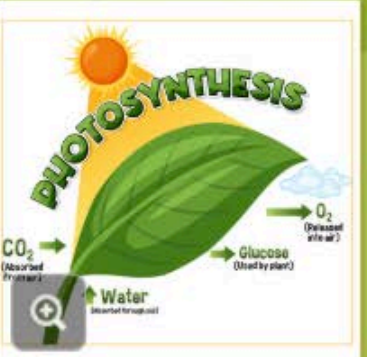
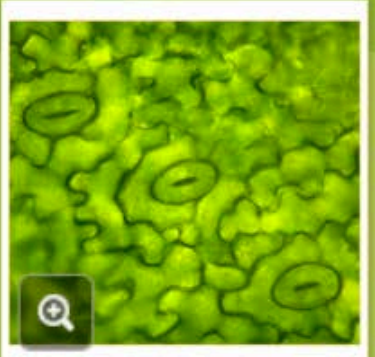
Independent student work,  
center, or intervention

Click on the cards to find out what the vocabulary words mean!

**Stomata**  
Stomata are tiny openings on the surface of leaves that allow plants to take in carbon dioxide and release oxygen.

**Glucose**

**Photosynthesis**  
Photosynthesis is the process by which plants use sunlight, carbon dioxide, and water to produce glucose and oxygen.




Navigation icons: search, home, and a row of seven colored squares.

# INTERACTIVE VOCABULARY CARDS

- Introduce Tier 3, Academic Vocabulary
- Audio
- Interactivity

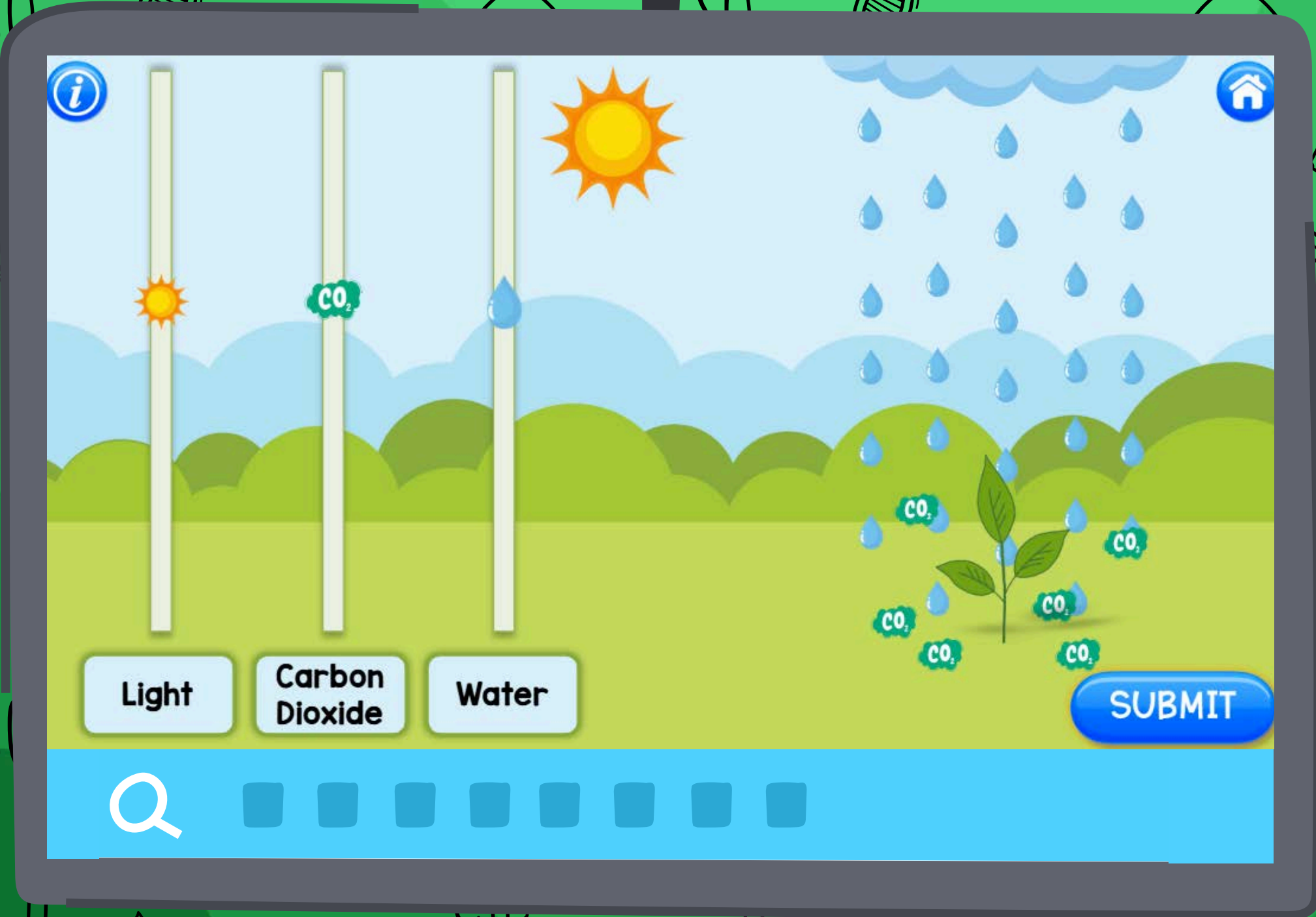


# HOW DO PLANTS GROW?



## ORIGINAL VIDEO LESSON BY MAGICORE ACADEMY

Introduces concept and key  
vocabulary



## INTERACTIVE ACTIVITY

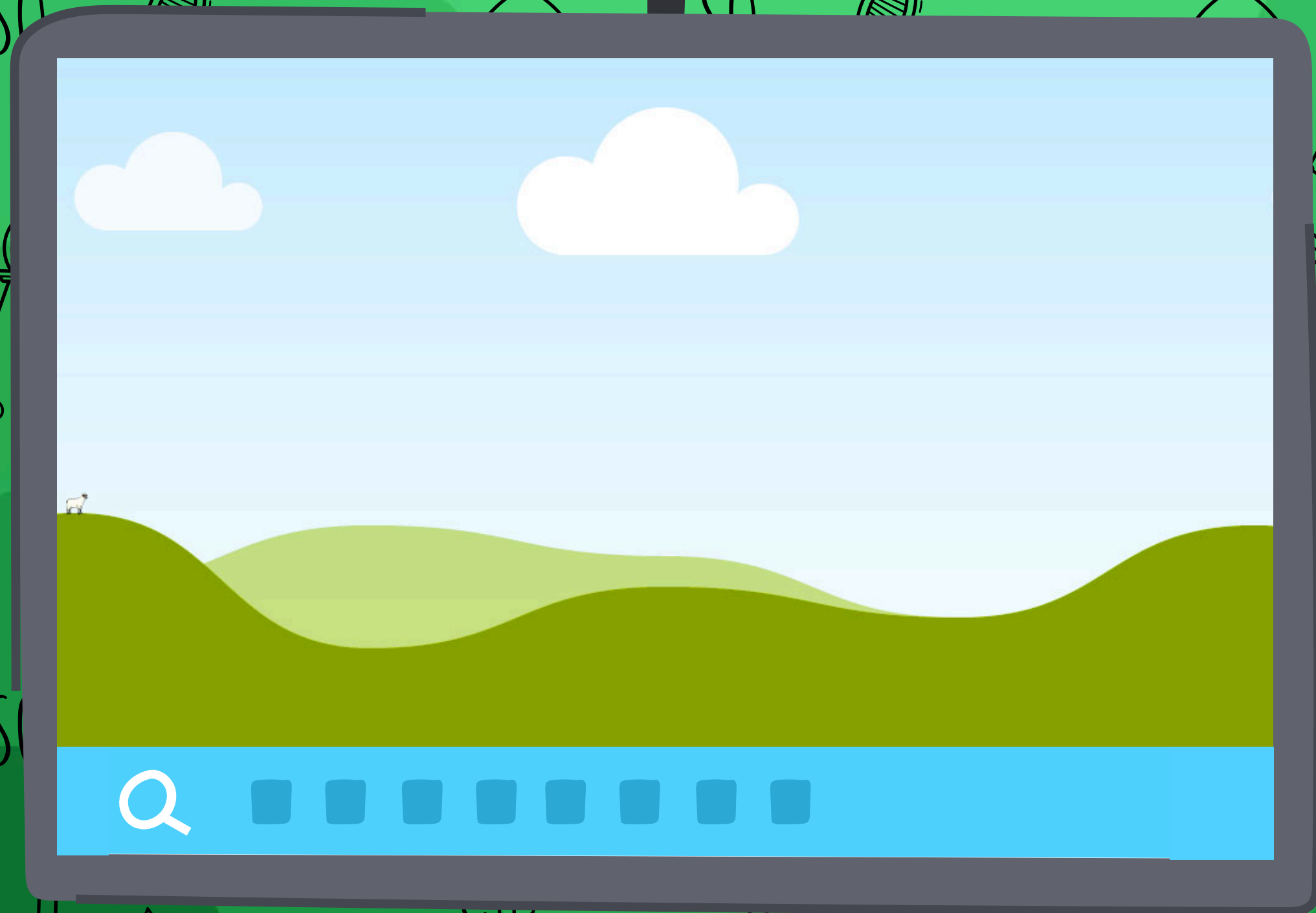
Short activity to  
practice concepts  
learned in video lesson

A tablet computer is shown from a slightly elevated angle. The screen displays a congratulatory message in large, blue, outlined letters: "AWESOME! YOU MADE IT TO THE END!". The background of the screen is a vibrant illustration of a sunny day with a bright yellow sun, green rolling hills, a small tree, and some flowers. At the bottom of the screen is a blue navigation bar with a magnifying glass icon on the left and a row of seven small blue squares. The tablet is set against a green background filled with various chemistry-related icons like molecular structures, atoms, and laboratory glassware.

**AWESOME!  
YOU MADE IT  
TO THE END!**

# SELF ASSESS

Immediate student or class feedback on activities and multiple choice questions.



## INTERACTIVE READER

- Standards Based
- Lexile Leveled
- Nonfiction
- Application of Science Skill
- Interactive
- Quiz based on reader

**Question 4**

What is the main purpose of glucose in plants?

**A)**  It helps plants absorb water

**B)**  It provides energy for growth

**C)**  It makes the leaves green

**D)**  It keeps the plant anchored in the soil

**SUBMIT**

# QUIZ

- Multiple choice and short response questions
- Encourages students to refer back to the video
- Multiple choice questions give immediate feedback to students

### Balanced & Unbalanced Forces Answer Recording Sheet

Type your name here



- Activity 1a: The car hit the wall.
- Activity 1b: The wall pushes back against the car.
- Activity 2: Answered Correctly
- Activity 3: Scientists use crash test dummies to study unbalanced forces. They put sensors all over the dummies body to measure the forces they feel. Then, they mimic real car crashes in a lab so they can measure the forces a human would experience.
- Quiz 1: Force is a push or pull on an object.
- Quiz 2: Answered Correctly
- Quiz 3: When a car is moving down the highway.
- Quiz 4: Unbalanced forces happen when the forces are not equal.
- Quiz 5: The foot has more force than the ball and gravity.
- Quiz 6: The ball stops because the forces become balanced.
- Quiz 7: They can help us stay safe like the example with crash test dummies.

# TEACHER REVIEW

Student responses are reported at the end of the lesson for students to print or teachers to review.