

DIGITAL LESSON

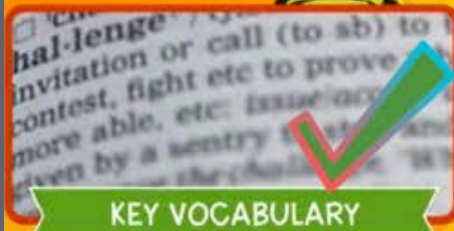
LIGHTNING  
LESSON

# ENERGY IN ECOSYSTEMS

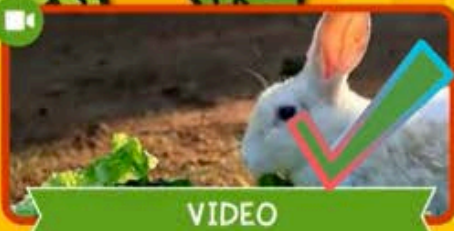


DIGITAL LESSON

# ENERGY IN ECOSYSTEMS



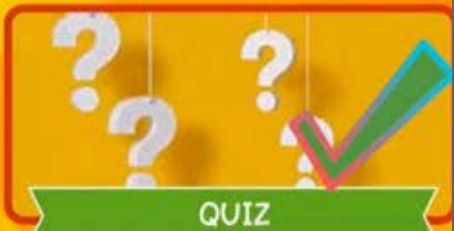
KEY VOCABULARY



VIDEO



ENERGY FLOW



QUIZ

## 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

# ENERGY IN ECOSYSTEMS

chalki-ness *n* [U].  
□ 'chalkboard *n* = BLACK  
chal-lenge' /'tʃælɪndʒ/ *n*  
invitation or call (to sb) to  
contest, fight etc to prove  
oneself able, etc: *issue/accept*

KEY VOCABULARY

VIDEO

Water  
H<sub>2</sub>O  
ENERGY FLOW

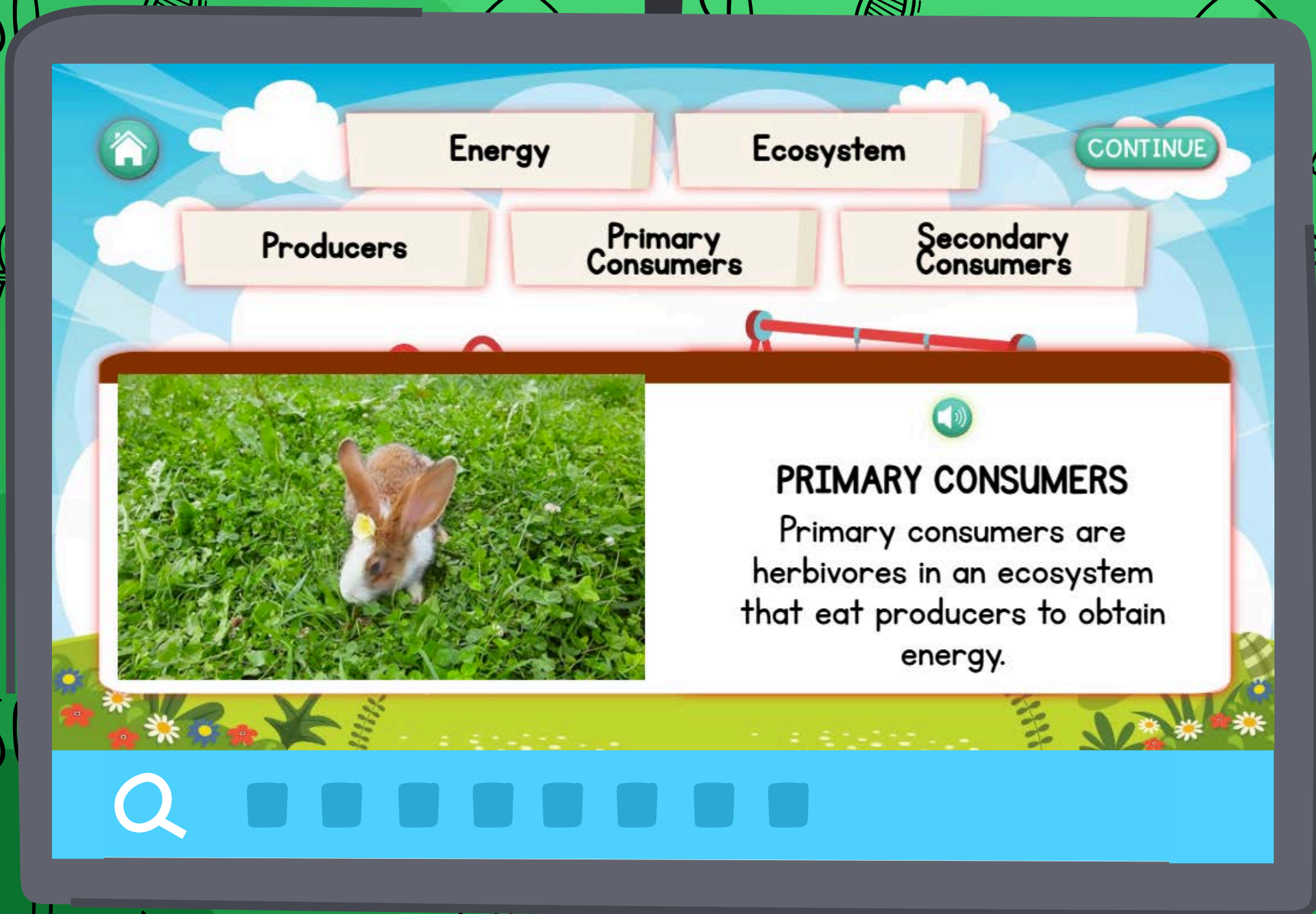
QUIZ

## EASY TO NAVIGATE HUB

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

★ or ★

Independent student work,  
center, or intervention



## INTERACTIVE VOCABULARY CARDS

- Introduce Tier 3, Academic Vocabulary
- Audio
- Interactivity



# ENERGY FROM THE SUN

## ORIGINAL VIDEO LESSON BY MAGICORE ACADEMY

Introduces concept and key  
vocabulary



## INTERACTIVE ACTIVITY

Short activity to practice concepts learned in video lesson

DIGITAL LESSON

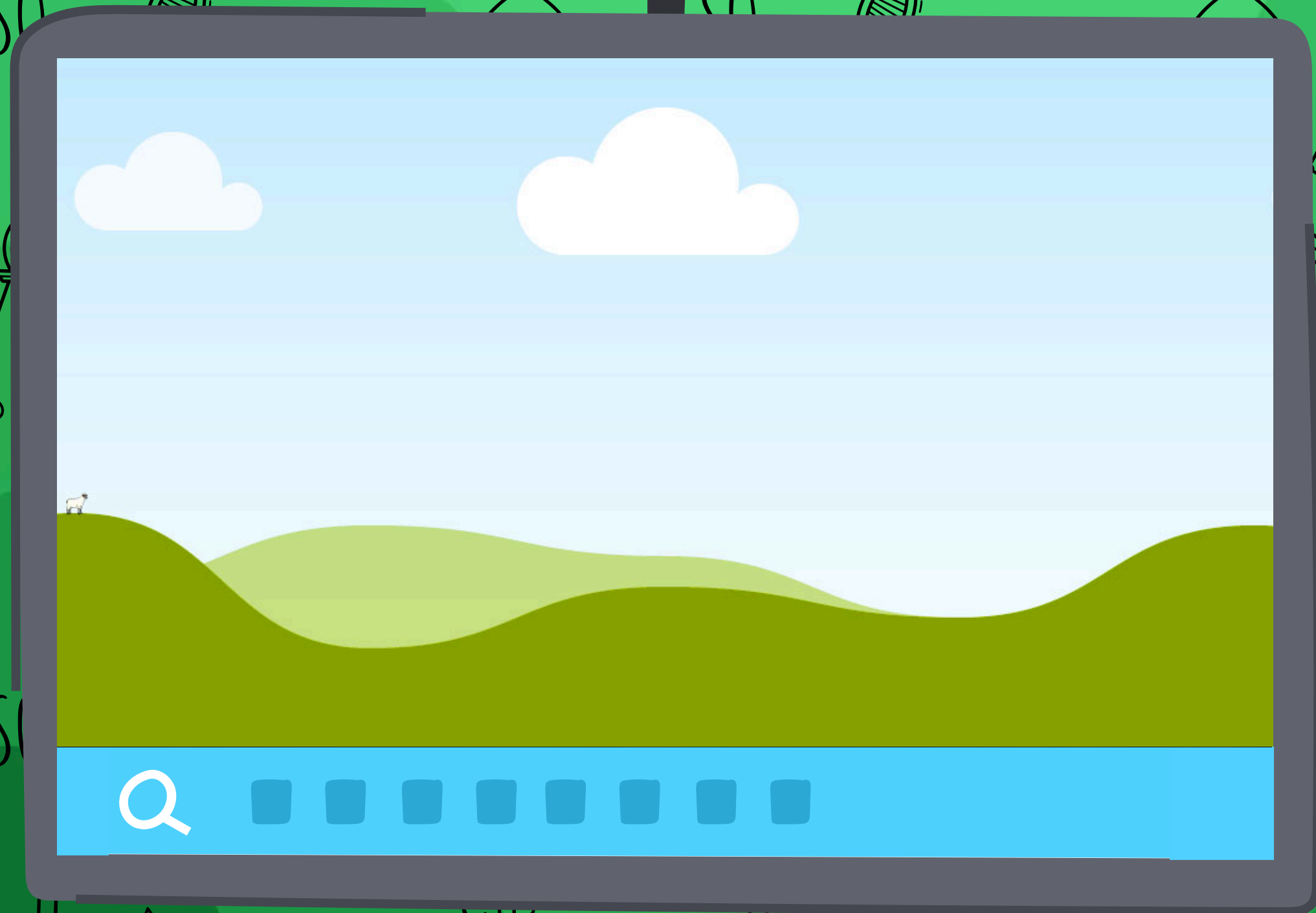
# ENERGY IN ECOSYSTEMS

GREAT JOB!  
YOU MADE IT  
TO THE END



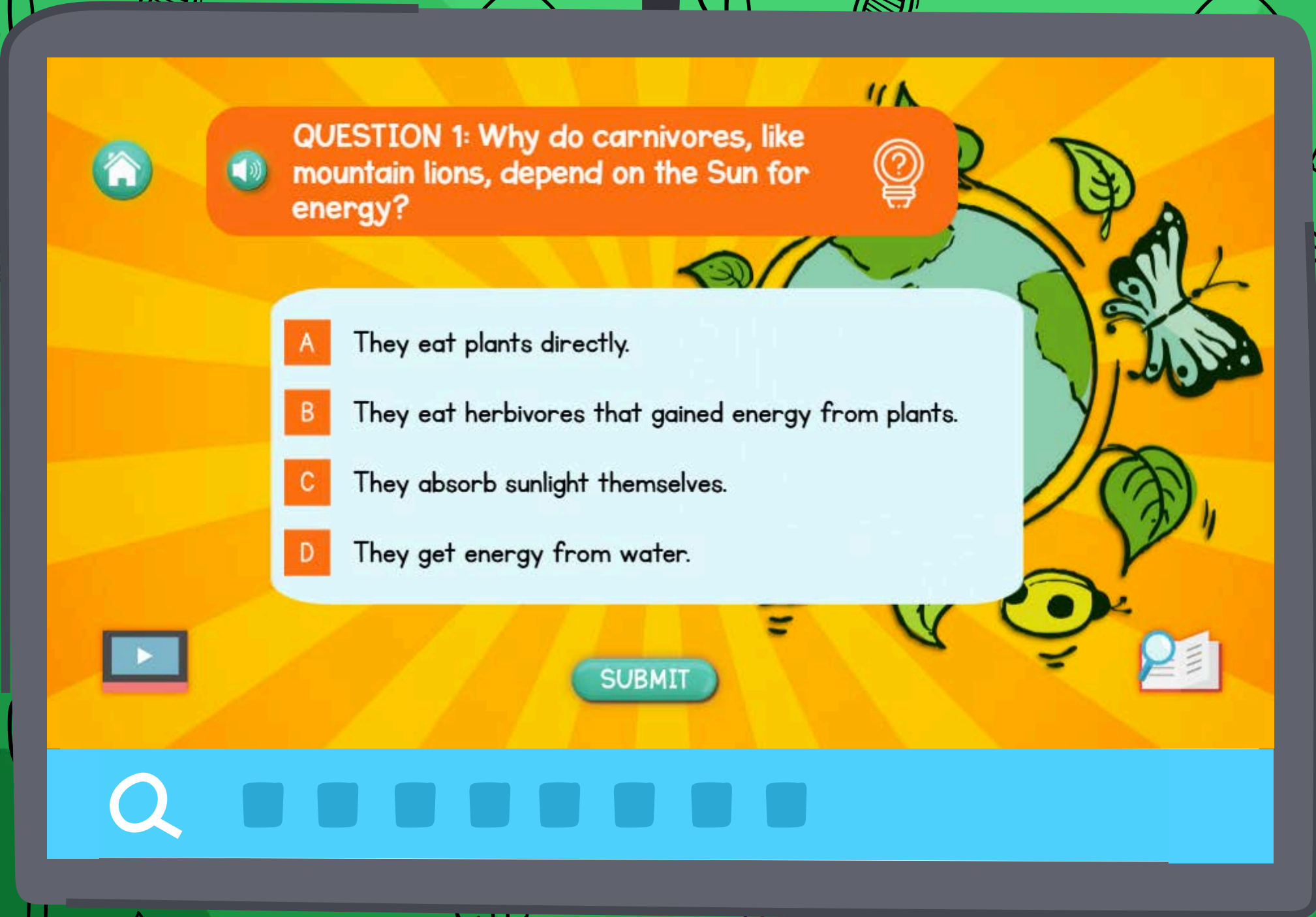
## SELF ASSESS

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 1: Why do carnivores, like mountain lions, depend on the Sun for energy?

- A They eat plants directly.
- B They eat herbivores that gained energy from plants.
- C They absorb sunlight themselves.
- D They get energy from water.

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.