

DIGITAL LESSON



EVIDENCE FROM ROCK LAYERS



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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

EVIDENCE FROM ROCK LAYERS

chalky *adj* (-ier, -ies)
chalki-ness *n* [U]
□ 'chalkboard *n* = BLACK
chal-lenge' /'tʃælɪndʒ/ *n*
invitation or call (to sb)
contest, fight etc to prove
more able, etc: *issue/acce*
given by a sentry to stop

KEY VOCABULARY



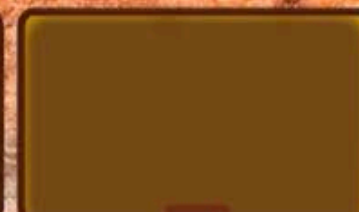
INTRODUCE ROCK LAYERS VIDEO



BADLANDS NATIONAL
PARK 700L* READER



EXAMINE LAYERS IN
GRAND CANYON



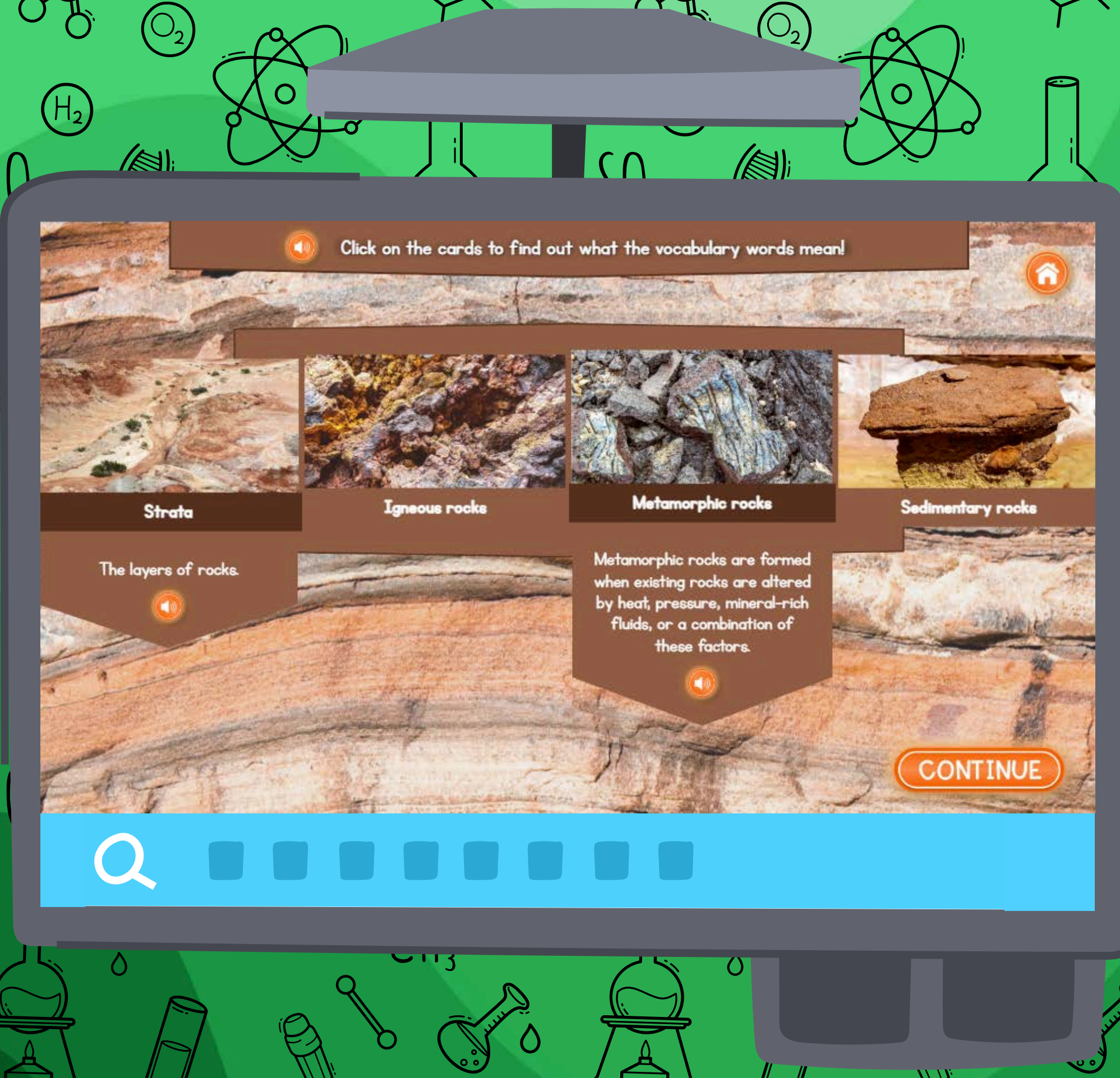
QUIZ

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

ROCK LAYERS



ORIGINAL VIDEO LESSON BY MAGICORE ACADEMY

Introduces concept and key
vocabulary

GRAND CANYON: EVIDENCE FROM ROCK LAYERS



Key Features to Highlight:

Stratification

Fossils

Erosion

« The canyon itself is a result of millions of years of erosion by the Colorado River. »

This ongoing erosion exposes new layers of rock and fossils, providing continuous evidence of geological processes.



CONTINUE

INTERACTIVE ACTIVITY

Short activity to
practice concepts
learned in video lesson

AWESOME!
YOU MADE IT
TO THE END!

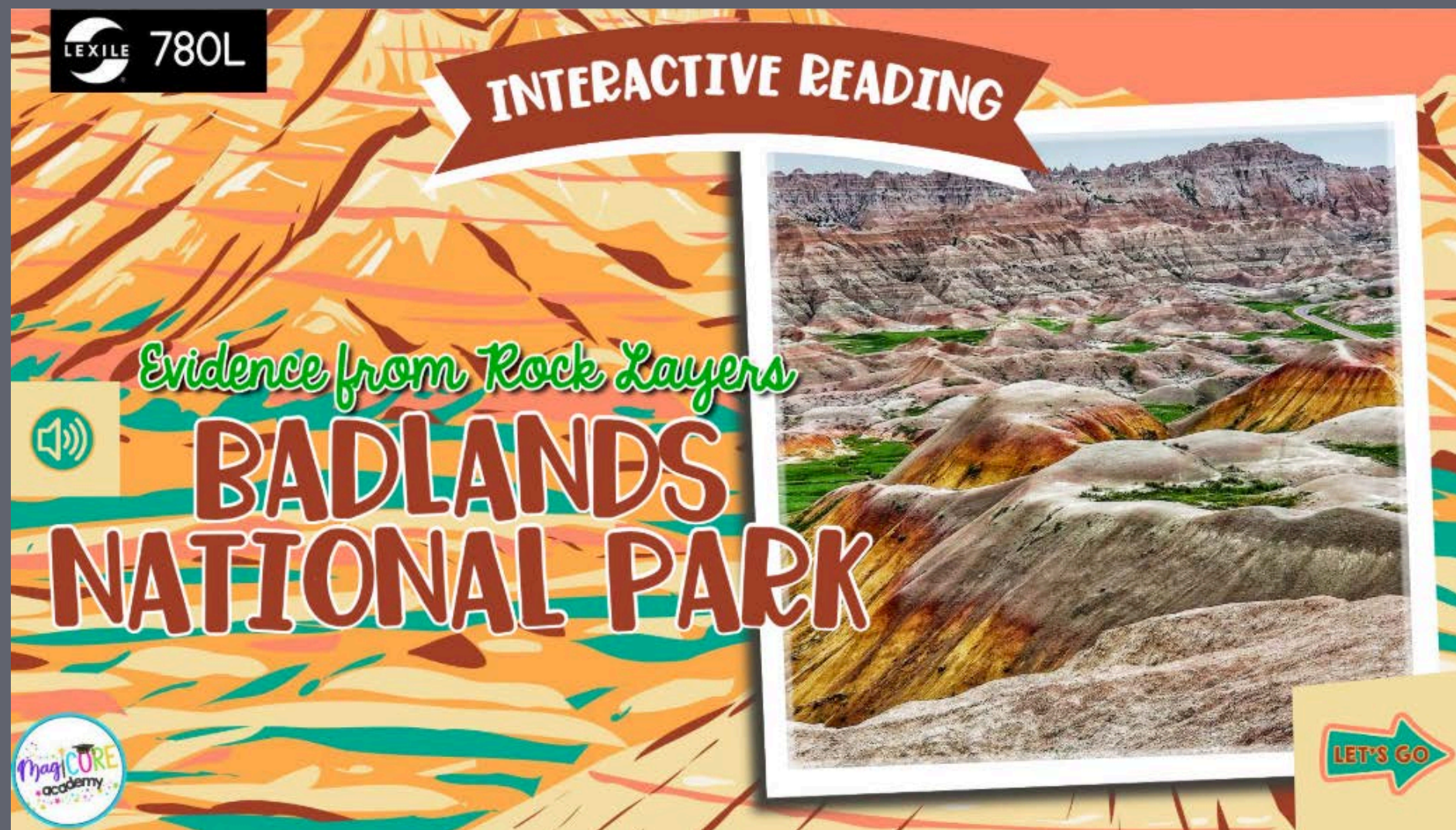


BACK

CONTINUE

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: Use the chart below to name and define the main types of rocks presented in this resource.

Type of Rock	Definition
Igneous	type your answer here
Sedimentary	Made when existing rocks are changed by heat, pressure, mineral-rich fluids.
	type your answer here

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.