

DIGITAL LESSON

LIGHTNING
LESSON

ENERGY TRANSFER



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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

ENERGY TRANSFER

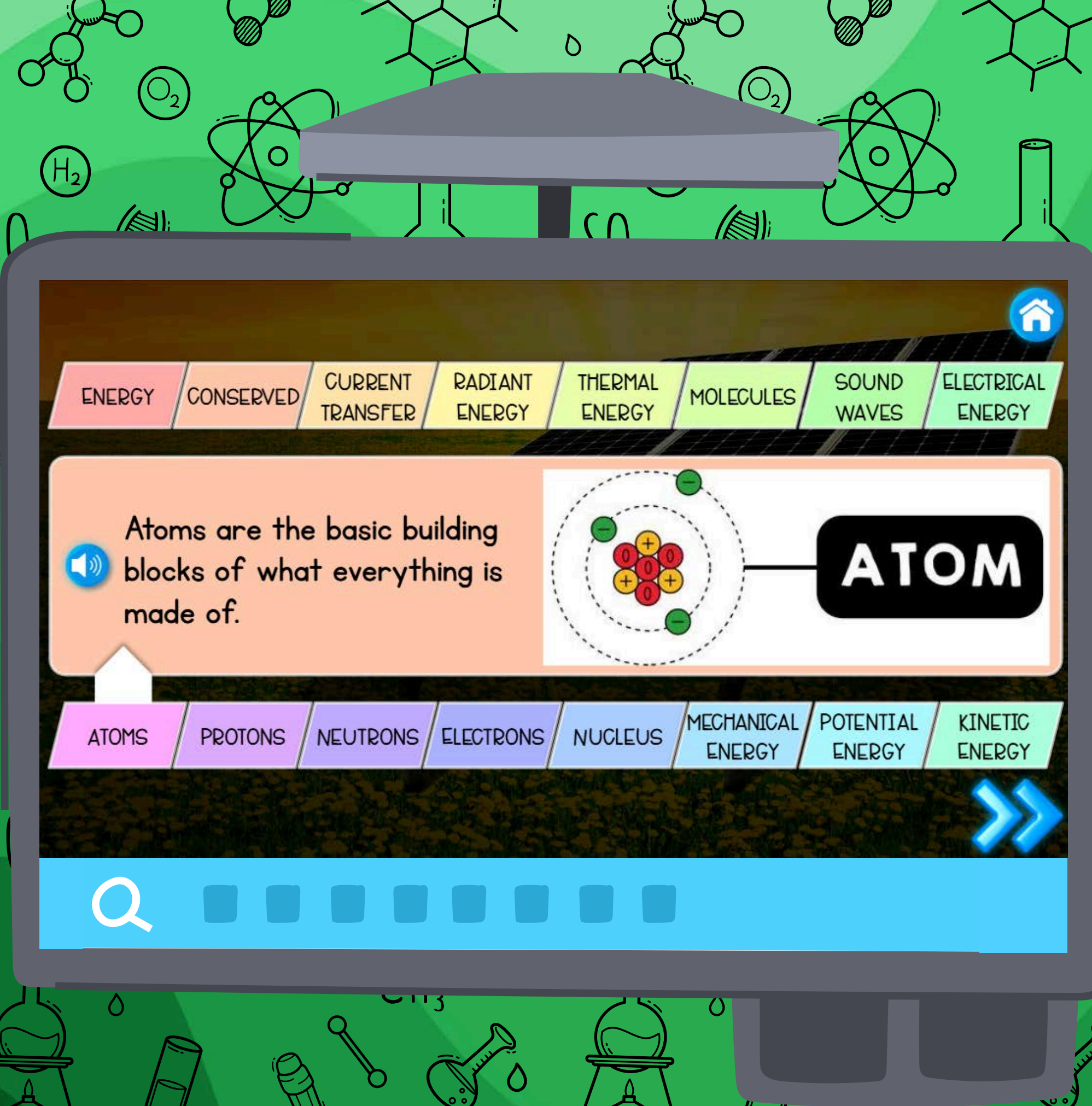


EASY TO NAVIGATE HUB

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

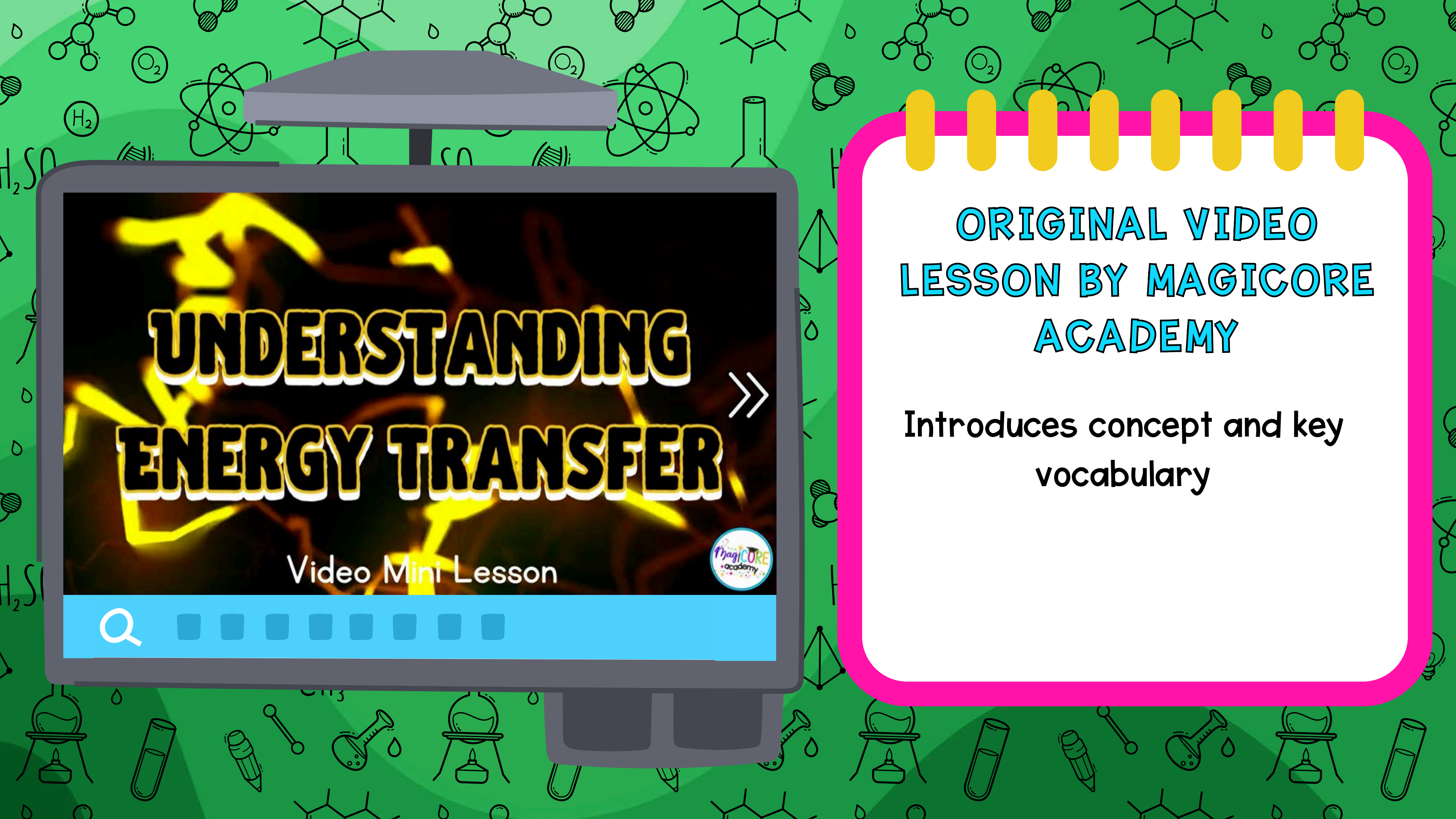
★ or ★

Independent student work, center, or intervention



INTERACTIVE VOCABULARY CARDS

- Introduce Tier 3, Academic Vocabulary
- Audio
- Interactivity

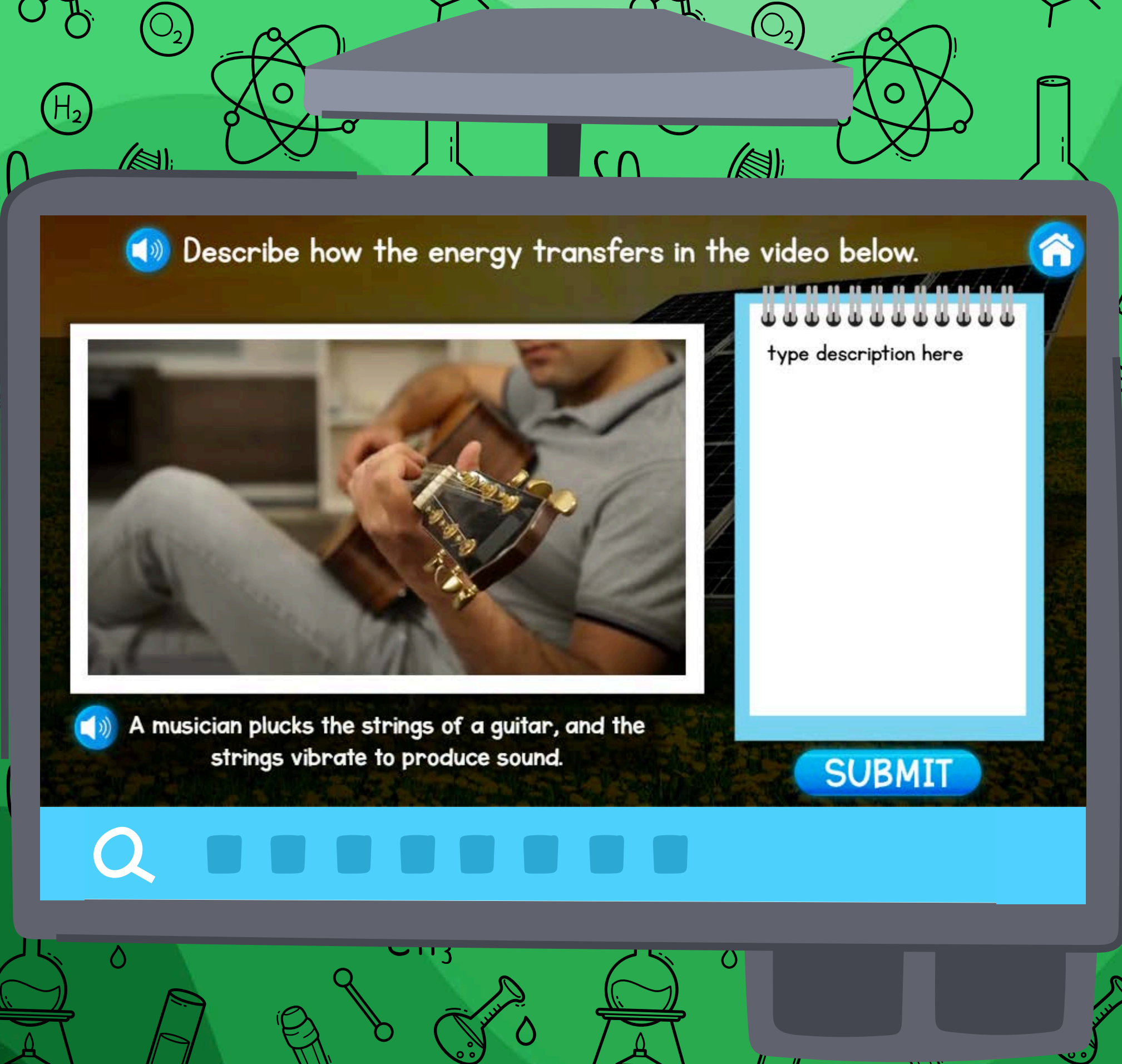


UNDERSTANDING ENERGY TRANSFER

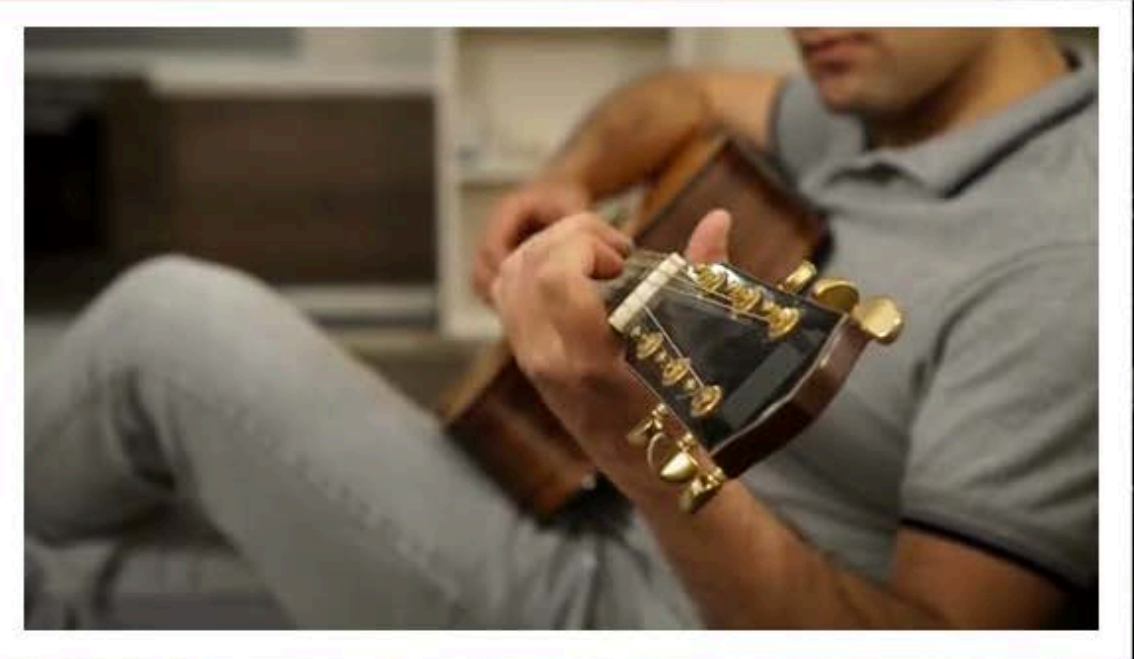
Video Mini Lesson

ORIGINAL VIDEO LESSON BY MAGICORE ACADEMY

Introduces concept and key
vocabulary



Describe how the energy transfers in the video below.



A musician plucks the strings of a guitar, and the strings vibrate to produce sound.

type description here

SUBMIT

INTERACTIVE ACTIVITY

Short activity to
practice concepts
learned in video lesson



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



1. When a guitar string is plucked, it vibrates and produces sound waves. Based on the video, what role does air play in the transfer of this sound energy?



a)

☐

It absorbs the sound energy.

b)

☐

It acts as a medium through which the sound waves travel.

c)

☐

It generates additional sound energy.

d)

☐

It reflects the sound waves back to the guitar.



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.