

DIGITAL LESSON

LIGHTNING
LESSON

MOTION ENERGY



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MOTION ENERGY



WHAT ARE LIGHTNING LESSONS?

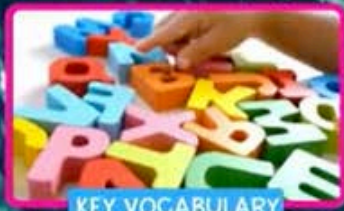
Short, engaging, fully digital lessons that:

- 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



MOTION ENERGY



KEY VOCABULARY



MOTION ENERGY VIDEO



"CATCHING WAVES 5TH" READER



INTERACTIVE ACTIVITY



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 each of the cards below to find out what the vocabulary words mean!

Motion Energy is the energy an object has because of its movement; also known as kinetic energy.

KEY
SCIENTIFIC
IDEA

Energy is the ability to do work or cause change, existing in various forms such as heat, light, and motion.

SPEED

Mass is the amount of matter in an object, affecting its weight and the amount of kinetic energy it can have.

MATTER

INTERACTIVE VOCABULARY CARDS

- Introduce Tier 3, Academic Vocabulary
- Audio
- Interactivity

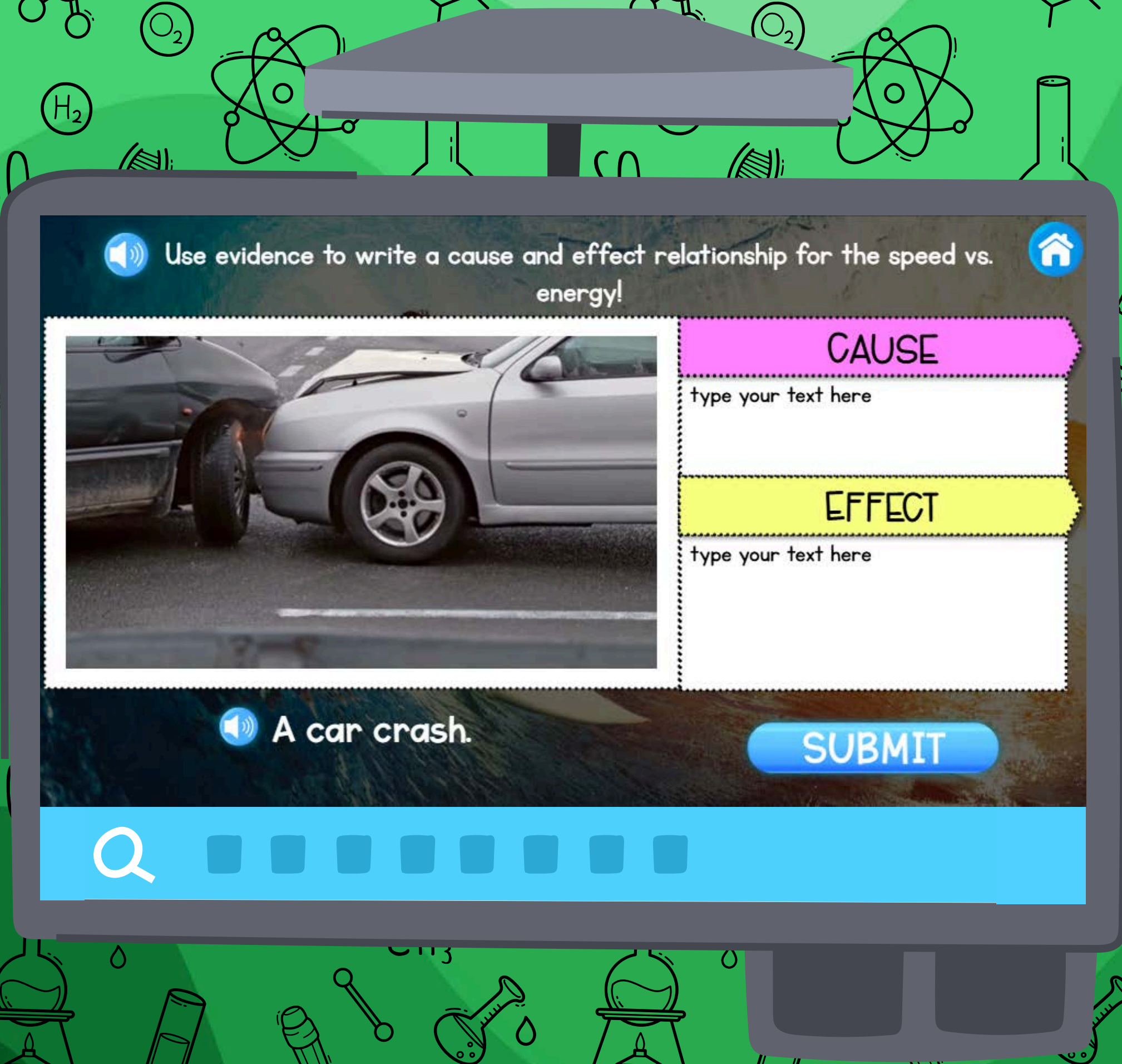
MOTION ENERGY

Video Mini Lesson



ORIGINAL VIDEO LESSON BY MAGICORE ACADEMY

Introduces concept and key
vocabulary



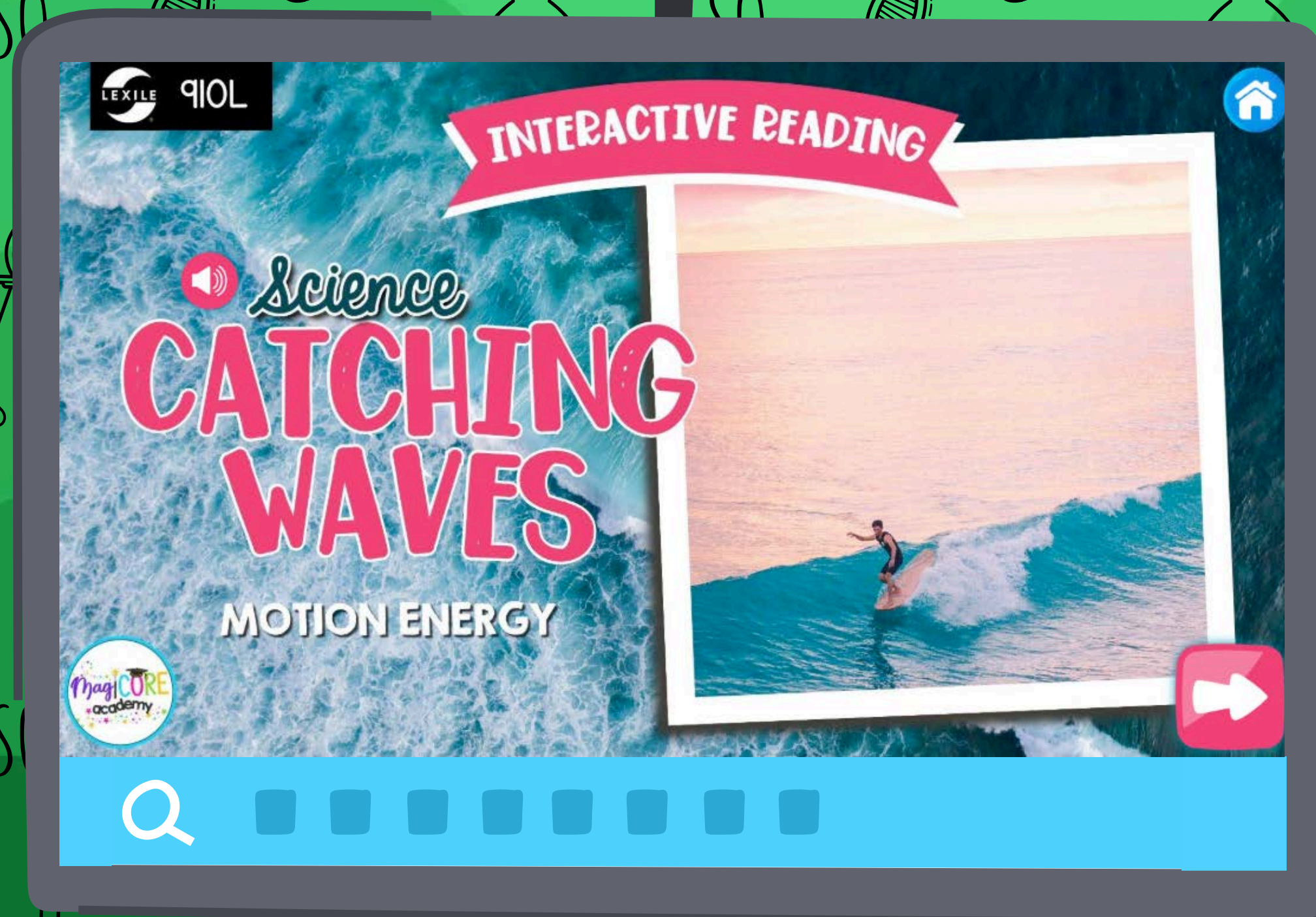
INTERACTIVE ACTIVITY

Short activity to
practice concepts
learned in video lesson



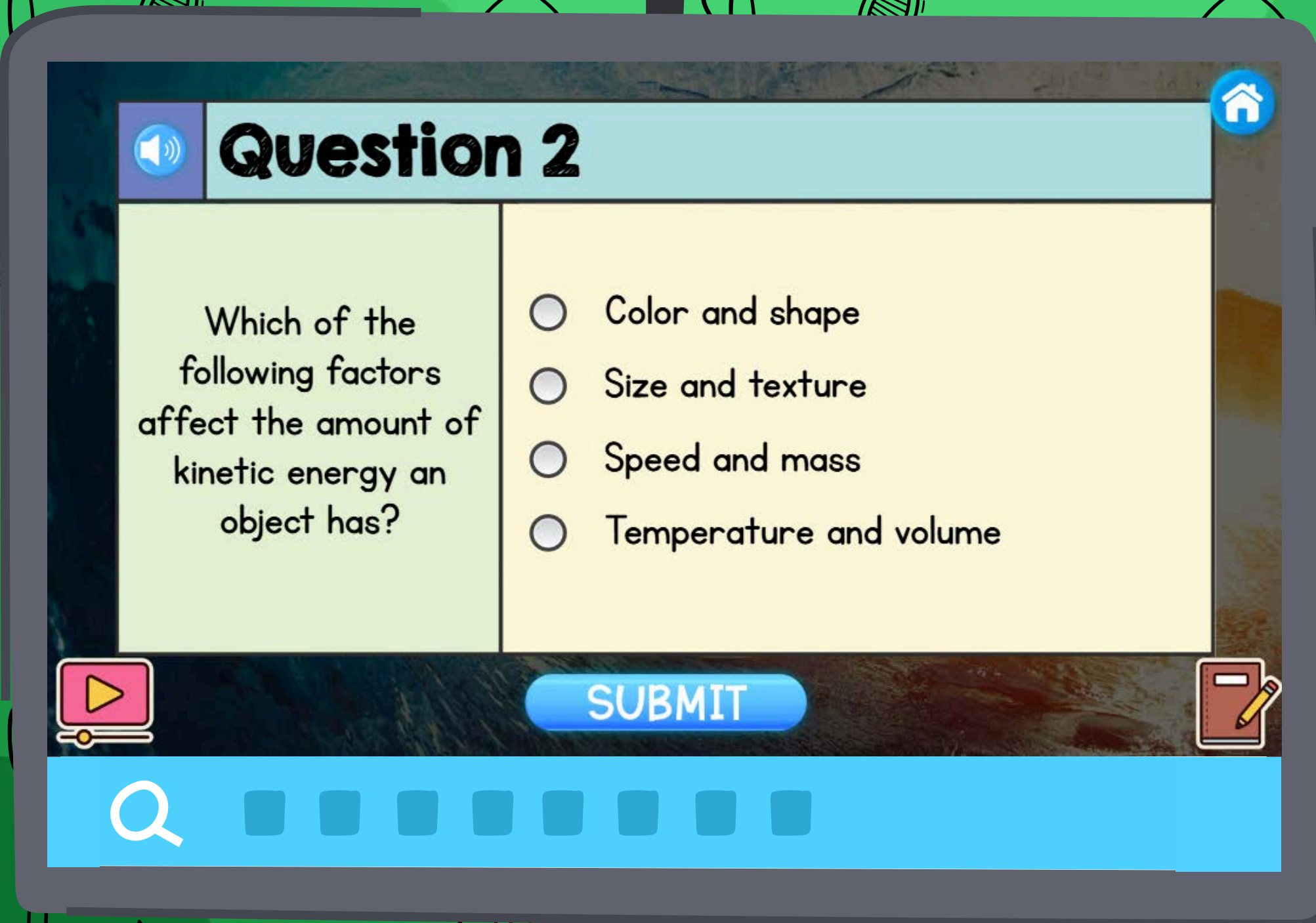
SELF ASSESS

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



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.