

DIGITAL LESSON

LIGHTNING
LESSON

RENEWABLE & NONRENEWABLE ENERGY



DIGITAL LESSON

RENEWABLE & NONRENEWABLE ENERGY



KEY VOCABULARY



INTRODUCE RENEWABLE &
NONRENEWABLE ENERGY
VIDEO



"WIND ENERGY 790L"
READER



ENERGY MATCHING
ACTIVITY



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



RENEWABLE & NONRENEWABLE ENERGY



KEY VOCABULARY



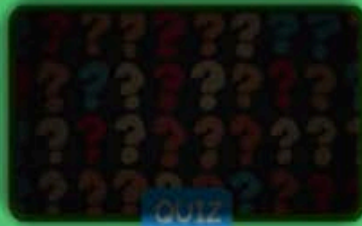
INTRODUCE RENEWABLE &
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QUIZ



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 words to find out what the vocabulary words mean!

Natural Resources

Natural resources are materials found in nature, such as water, trees, and minerals.

Economics

Industry

An industry is a group of businesses that produce goods or provide services.

Fossil Fuels

Fossil fuels are energy sources like coal, oil, and natural gas.

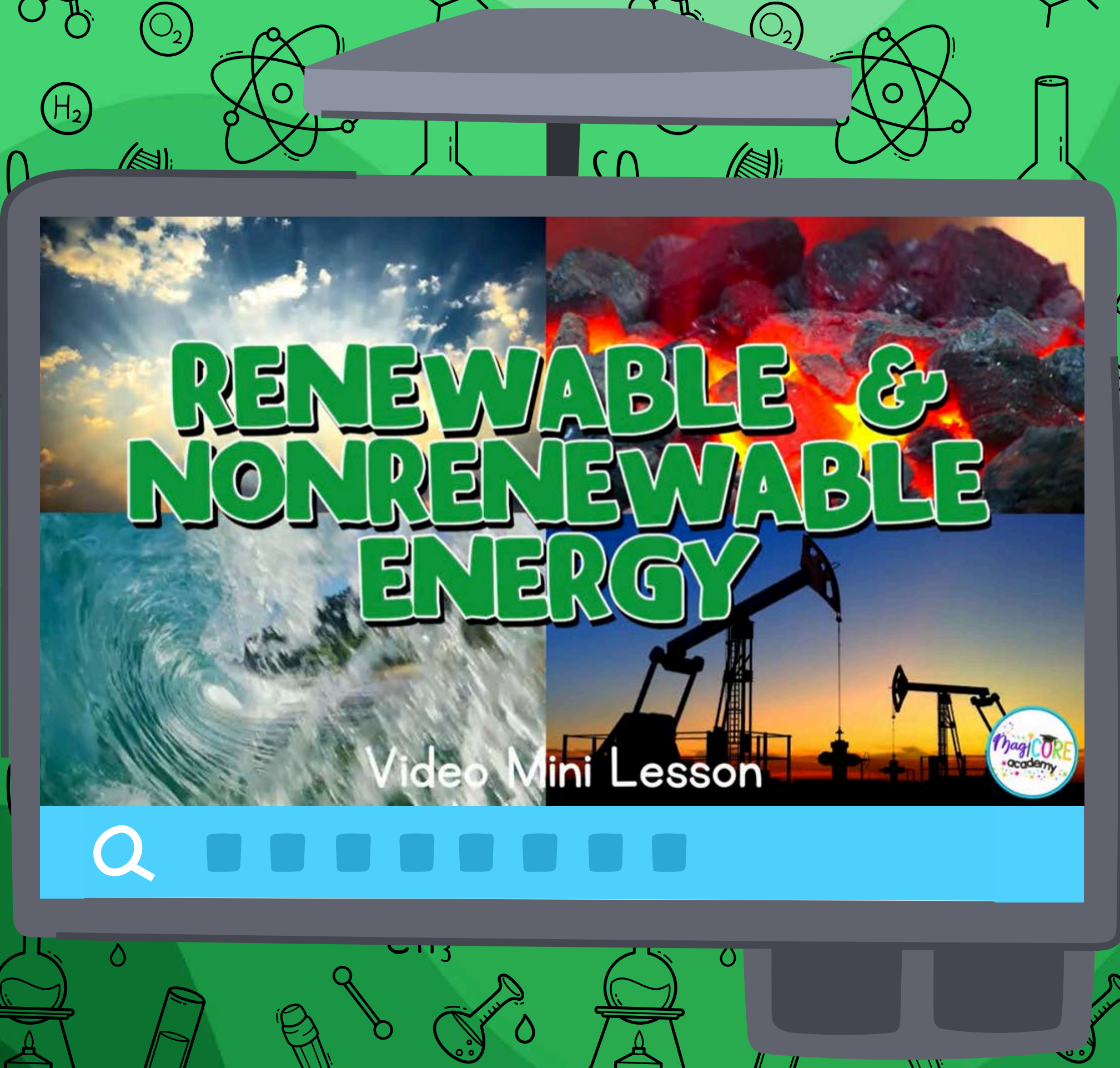
Renewable Resources

Renewable resources are natural materials that can be replenished over time.

Non-Renewable Resources

INTERACTIVE VOCABULARY CARDS

- Introduce Tier 3, Academic Vocabulary
- Audio
- Interactivity



RENEWABLE & NONRENEWABLE ENERGY

Video Mini Lesson

ORIGINAL VIDEO LESSON BY MAGICORE ACADEMY

Introduces concept and key
vocabulary

 Write down what you think the effects of these renewable and non-renewable energy types have on the environment. 

Wind Energy



type your answer here

Oil Energy



type your answer here



Click here to see what the possible answers are!

SUBMIT



INTERACTIVE ACTIVITY

Short activity to
practice concepts
learned in video lesson

A digital screen with a grey frame and a grey base. The screen displays a green landscape with two white wind turbines and two yellow pyramids. The text 'AWESOME!' is in large black letters with a speaker icon to its left. Below it, 'You made it to the end!' is in large black letters. At the bottom of the screen, the word 'Credits' is written in black. A small orange home icon is in the top right corner of the screen. A blue bar at the bottom of the screen contains a magnifying glass icon and seven small blue squares.

AWESOME!
You made it to the end!

Credits

Photo: Molgreen, Animation:Amada44, CC BY-SA 3.0 <<https://creativecommons.org/licenses/by-sa/3.0>>, via Wikimedia Commons

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

2. Label the images below as renewable or non-renewable.



type your answer here



type your answer here



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.