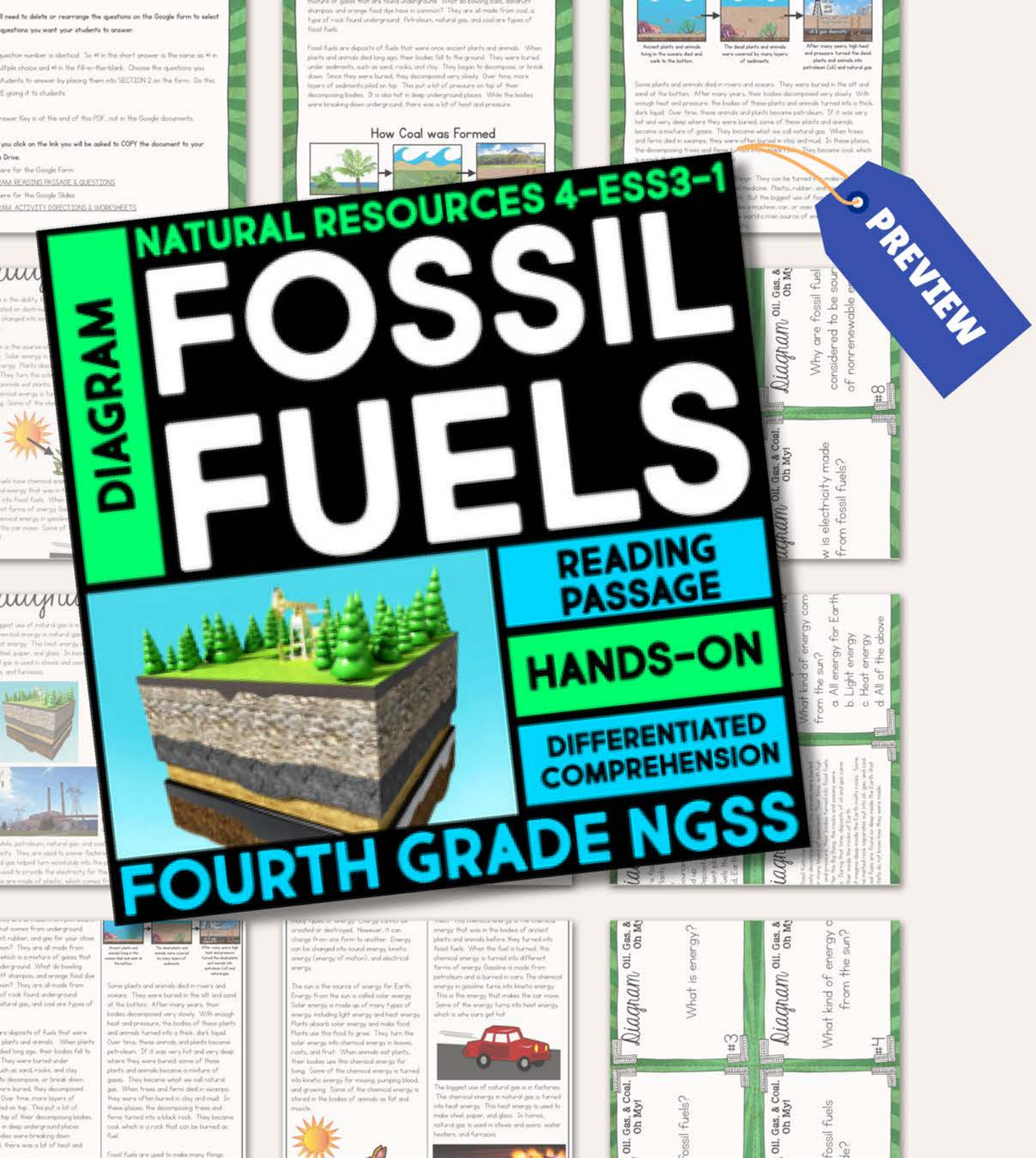


4TH GRADE

From Earth to Energy!

DIAGRAM

HOW FOSSIL FUELS ARE FORMED

4th Grade Science Center

KEEP SCROLLING TO SEE WHAT'S INSIDE!

YOU WILL LOVE THIS BECAUSE



Visual Learning Boost

Students enhance their understanding by diagramming fossil fuel formation, combining visual and hands-on approaches to solidify scientific concepts.



Aligned with NGSS

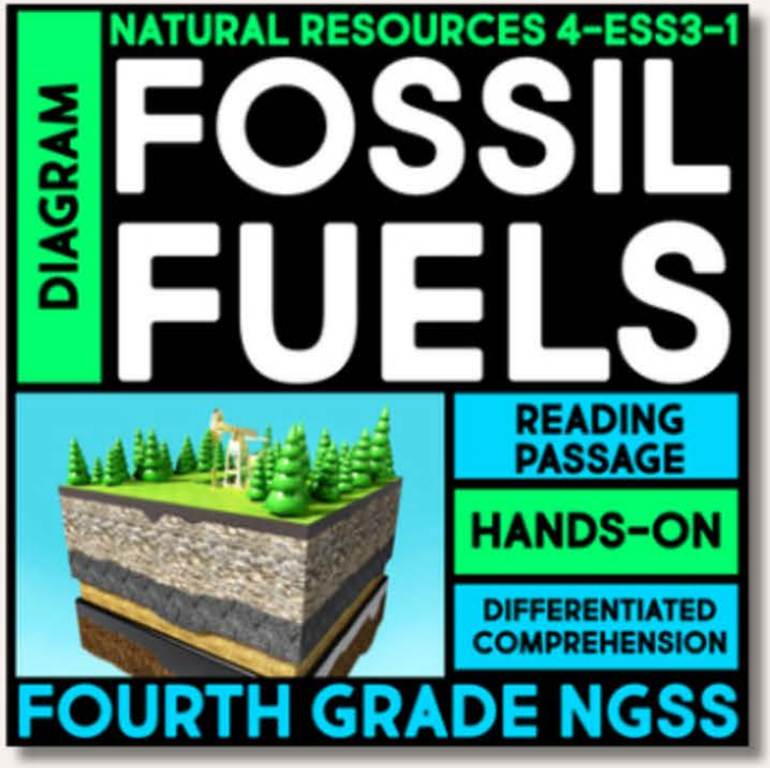
These lesson plans aren't just random; they're laser-focused on Next Generation Science Standards. No more curriculum guesswork!



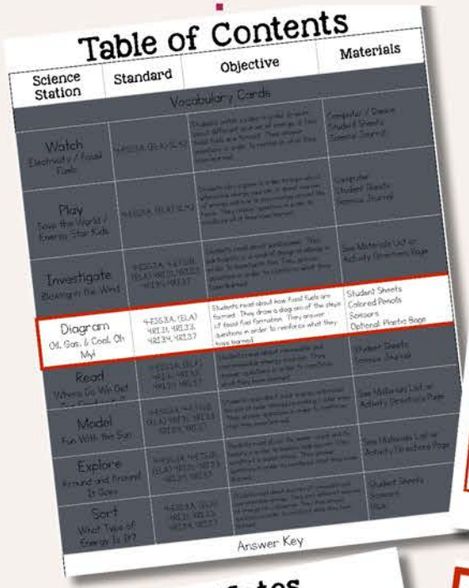
Comprehensive Support

Includes teacher notes, student instructions, and activity sheets, saving you preparation time and ensuring a smooth classroom experience.

ACTIVITY OVERVIEW

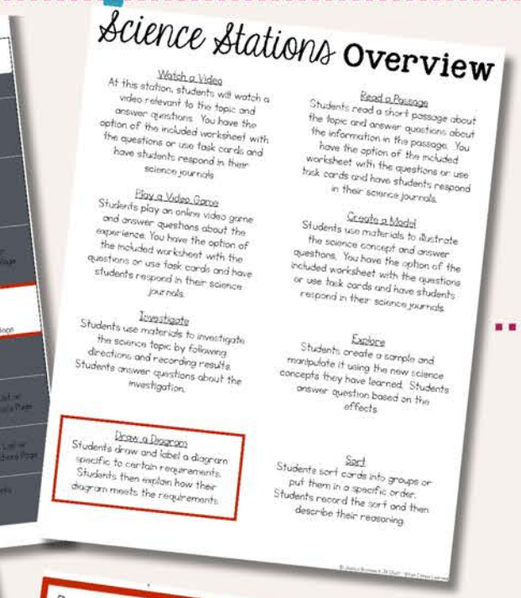


- **Students will read a passage about fossil fuels.**
- **They will create a diagram showing their knowledge of fossil fuels.**
- **Then lastly they will answer questions about fossil fuels.**


Table of Contents

Science Station	Standard	Objective	Materials
Vocabulary Cards			
Watch Electricity / Fossil Fuels			Computer / Device, Student Sheets, Science Journal
Play Save the World / Energy Star Kids			Computer, Student Sheets, Science Journal
Investigate Blowing in the Wind			See Materials List on Activity Directions Page
Diagram Oil, Gas, & Coal, Oh My!	4-ESS3-A, (ELA) RI.3.1, RI.3.3, RI.3.4, RI.3.7	Students read about how fossil fuels are formed. They draw a diagram of the steps of fossil fuel formation. They answer questions in order to reinforce what they have learned.	Student Sheets, Colored Pencils, Scissors, Optional: Plastic Bags
Read Where Do We Get Our Energy?			Student Sheets, Science Journal
Model Fun With the Sun			See Materials List on Activity Directions Page
Explore Around and Around It Goes			See Materials List on Activity Directions Page
Sort What Type of Energy Is It?			Student Sheets, Glue

Answer Key


Science Stations Overview

Watch a Video
At this station, students will watch a video relevant to the topic and answer questions. You have the option of the included worksheet with the questions or use task cards and have students respond in their science journals.

Play a Video Game
Students play an online video game and answer questions about the experience. You have the option of the included worksheet with the questions or use task cards and have students respond in their science journals.

Investigate
Students use materials to investigate the science topic by following directions and recording results. Students answer questions about the investigation.

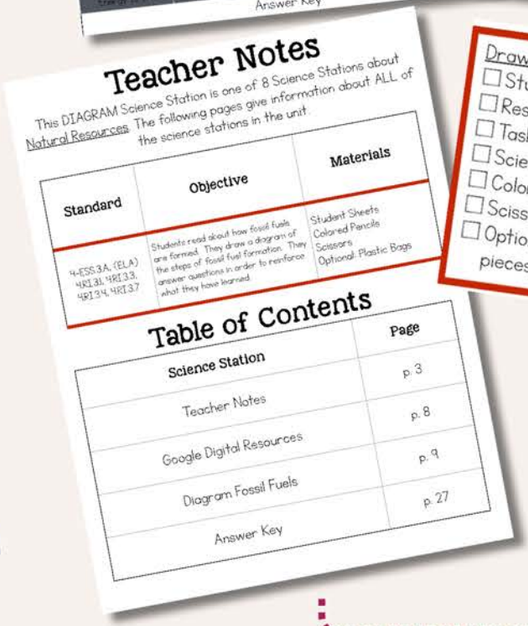
Draw a Diagram
Students draw and label a diagram specific to certain requirements. Students then explain how their diagram meets the requirements.

Read a Passage
Students read a short passage about the topic and answer questions about the information in the passage. You have the option of the included worksheet with the questions or use task cards and have students respond in their science journals.

Create a Model
Students use materials to illustrate the science concept and answer questions. You have the option of the included worksheet with the questions or use task cards and have students respond in their science journals.

Explore
Students create a sample and manipulate it using the new science concepts they have learned. Students answer question based on the effects.

Sort
Students sort cards into groups or put them in a specific order. Students record the sort and then describe their reasoning.


Teacher Notes

This DIAGRAM Science Station is one of 8 Science Stations about Natural Resources. The following pages give information about ALL of the science stations in the unit.

Standard	Objective	Materials
4-ESS3-A, (ELA) RI.3.1, RI.3.3, RI.3.4, RI.3.7	Students read about how fossil fuels are formed. They draw a diagram of the steps of fossil fuel formation. They answer questions in order to reinforce what they have learned.	Student Sheets, Colored Pencils, Scissors, Optional: Plastic Bags

Table of Contents

Science Station	Page
Teacher Notes	p. 3
Google Digital Resources	p. 8
Diagram Fossil Fuels	p. 9
Answer Key	p. 27

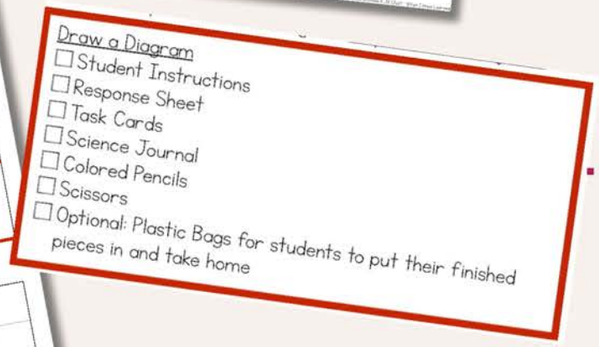

Draw a Diagram
- ☐ Student Instructions
- ☐ Response Sheet
- ☐ Task Cards
- ☐ Science Journal
- ☐ Colored Pencils
- ☐ Scissors
- ☐ Optional: Plastic Bags for students to put their finished pieces in and take home

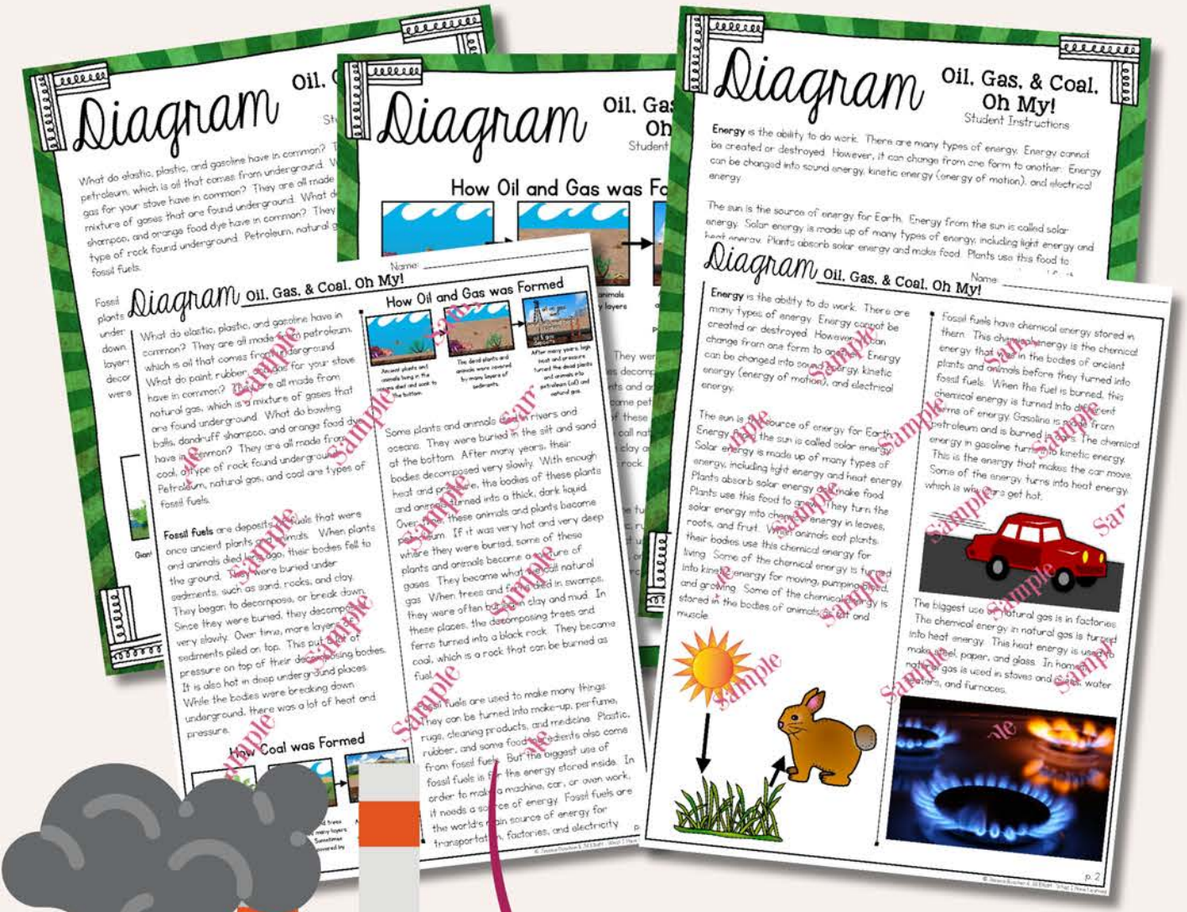
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Science Station Overview

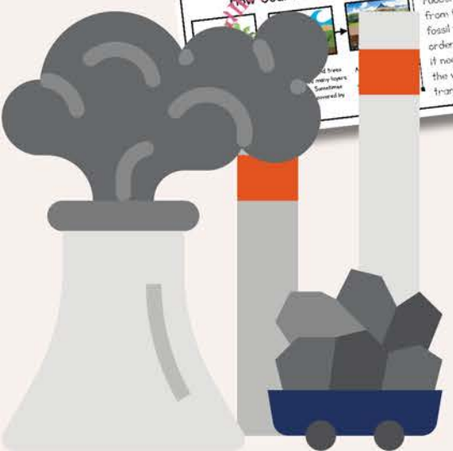
Materials Checklist

Table of Contents / Teacher's Notes

READING PASSAGES & ACTIVITIES







ENGAGING READING: 2 TYPES OF READING PASSAGES

HANDS-ON ACTIVITIES



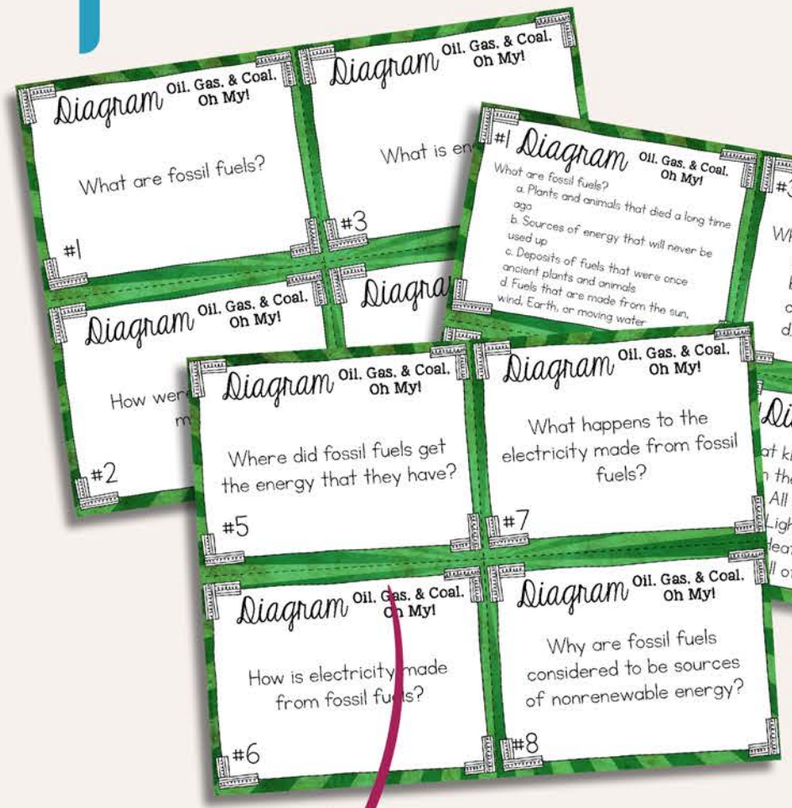
Differentiated Questions



SHORT ANSWER



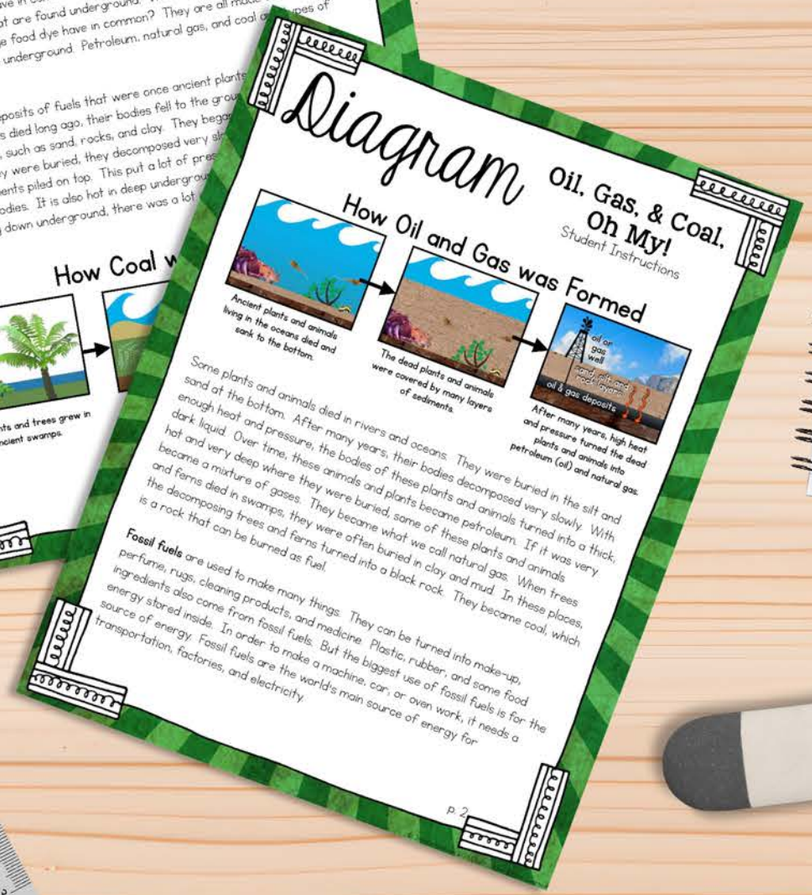
FILL-IN-THE BLANK

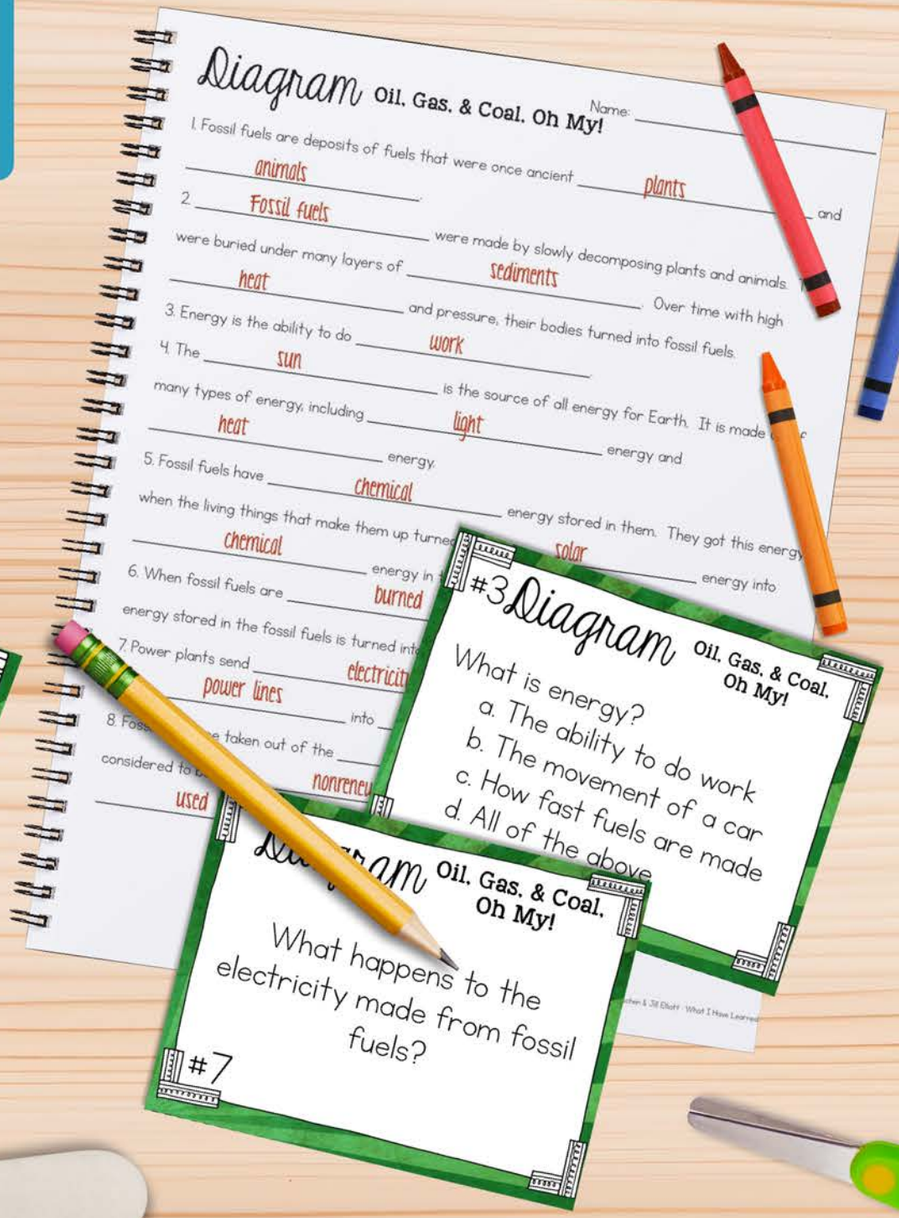


TASK CARDS:
SHORT ANSWER & MULTIPLE CHOICE

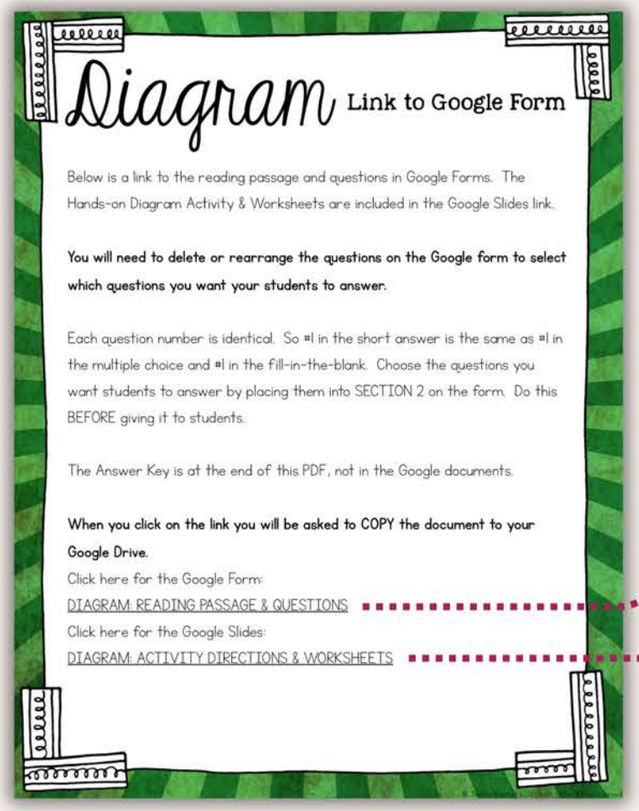
DIAGRAM: OIL, GAS, & COIL. OH MY!

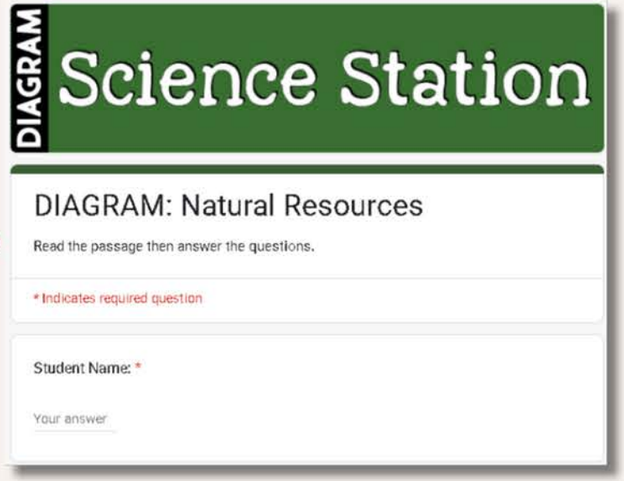


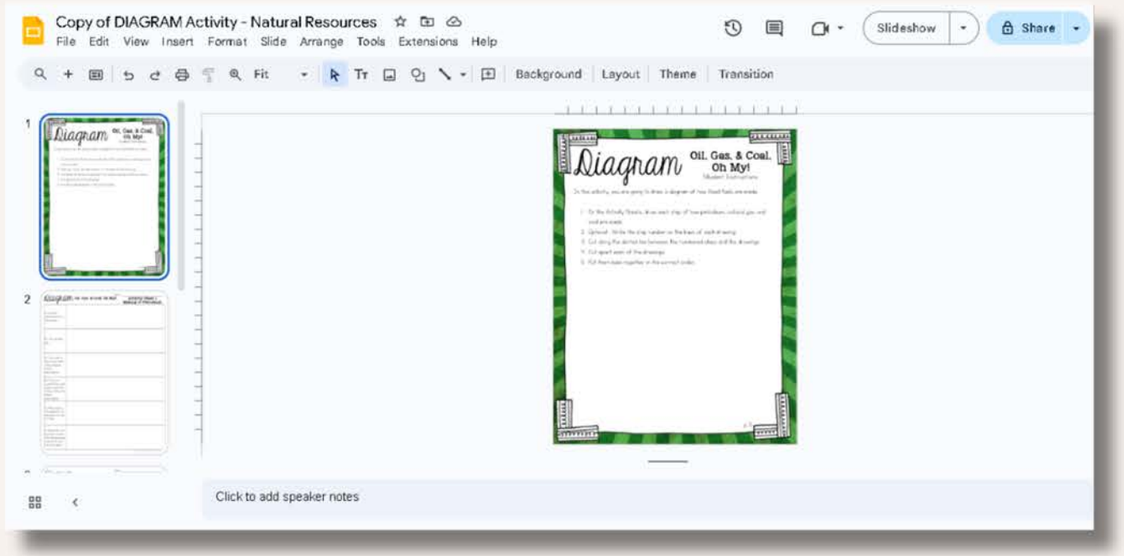




DIGITAL VERSIONS







DIGITAL VERSIONS

- ✔ Google Sheet with Activity & Directions
- ✔ Google Form with Reading & Questions

Answer keys provided

TEACHERS LOVE IT!

Using this resource to teach science and hands on activities. Our current science curriculum and materials do not provide anything engaging as this, thanks!

Miss Villalvazo



My students loved this resource. Thank you.

Sandra Morrisohn



My passion is making learning accessible to all students. I love scaffolding learning, breaking down the concepts and building them up so that students can see the connections. I love figuring out the small components that build up to the big ideas and helping students see it all.



teach MATH

teach SCIENCE

teach READING

teach WRITING

What I have LEARNED