SCIENCE: sun energy

1ST & 2ND GRADE

Name: _____ Date: _____

Shine the Light on Energy

Energy makes everything happen. Energy makes our toys move. Energy gives our lights the power to shine. Energy gives our bodies the strength to play and learn. We need energy for everything we do.

There are many different types of energy. One type is kinetic energy. Kinetic energy is the energy of things in motion. This could be a rolling ball or a flying kite. Another type of energy is chemical energy. Chemical energy is stored in things like the food we eat. When we eat our favorite snacks, our bodies change that food into energy. Chemical energy is also found in fuel. When we burn gas, wood, or coal, a chemical reaction creates energy.



Thermal energy is all about heat. Think about a cozy blanket on a chilly day. That blanket is keeping you warm with thermal energy. Electrical energy comes from the movement of charged particles. This is called electric current. It powers our gadgets, like tablets and game consoles.

Have you ever made noise by clapping your hands or tapping a drum? That's sound energy! It's the energy

why?

Ask 2 questions you still have about the things you learned:

1.

2.

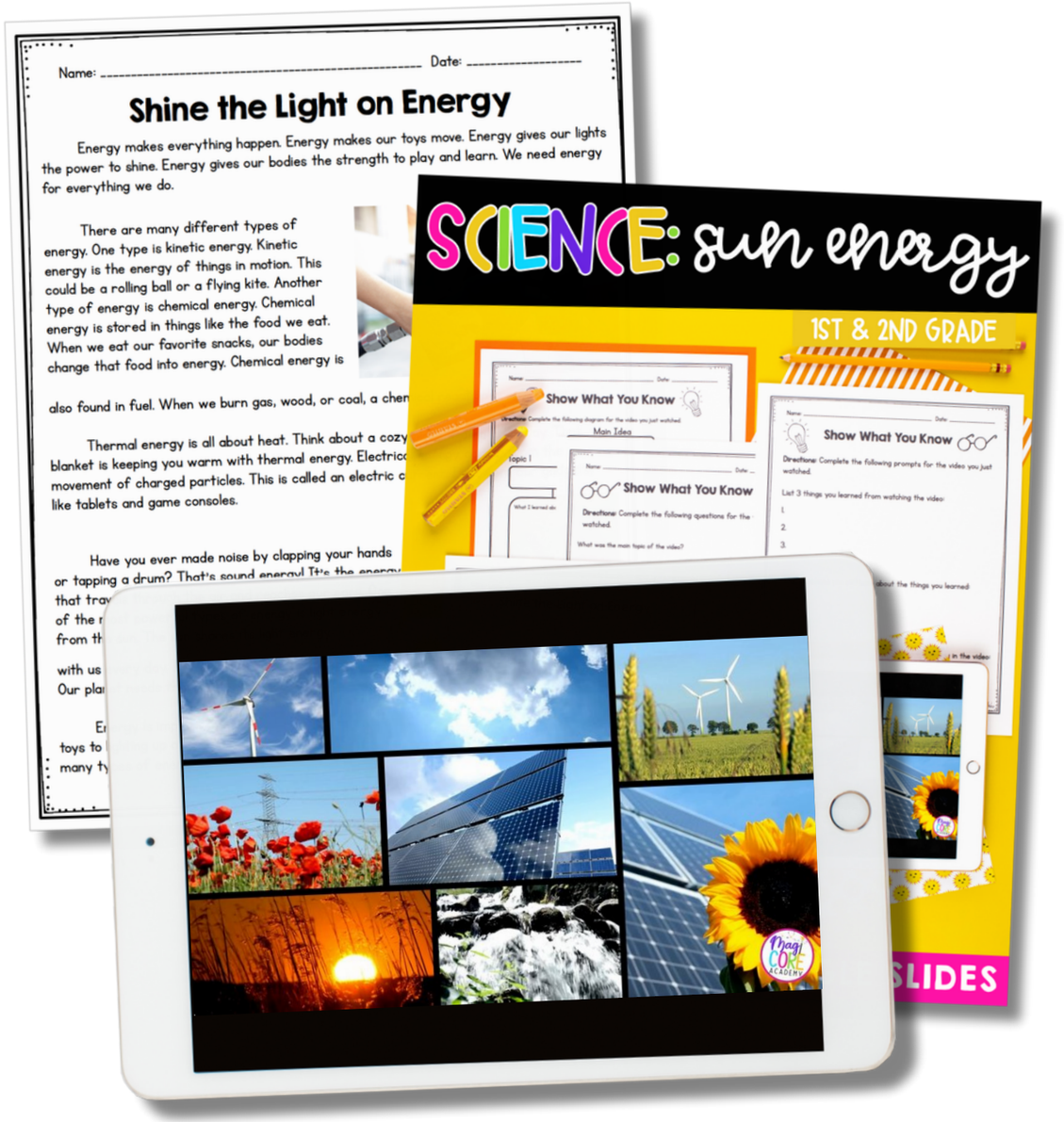
Say one thing you learned in the video:



Magic CORE

PRINTABLE & GOOGLE SLIDES

WHAT'S INSIDE?

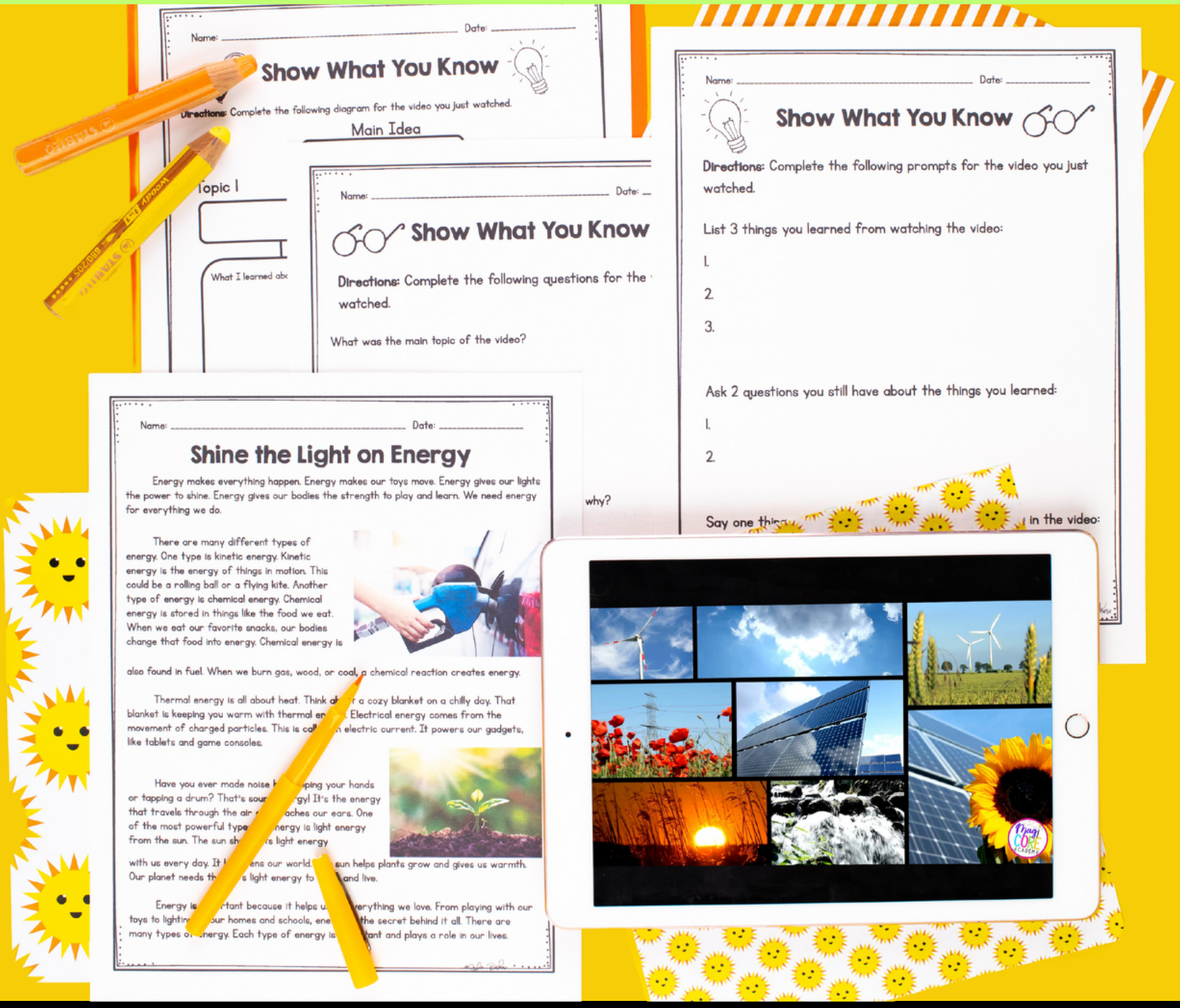


PRINTABLE PDFs and **DIGITAL** Google Slides unit to teach all about sun energy.

- 2 Custom Video Lessons
- 2 Reading Passages & Questions
- Mini Book & Vocabulary
- Worksheet
- Experiments & Explorations
- Quiz

Printable and Google Slides Included

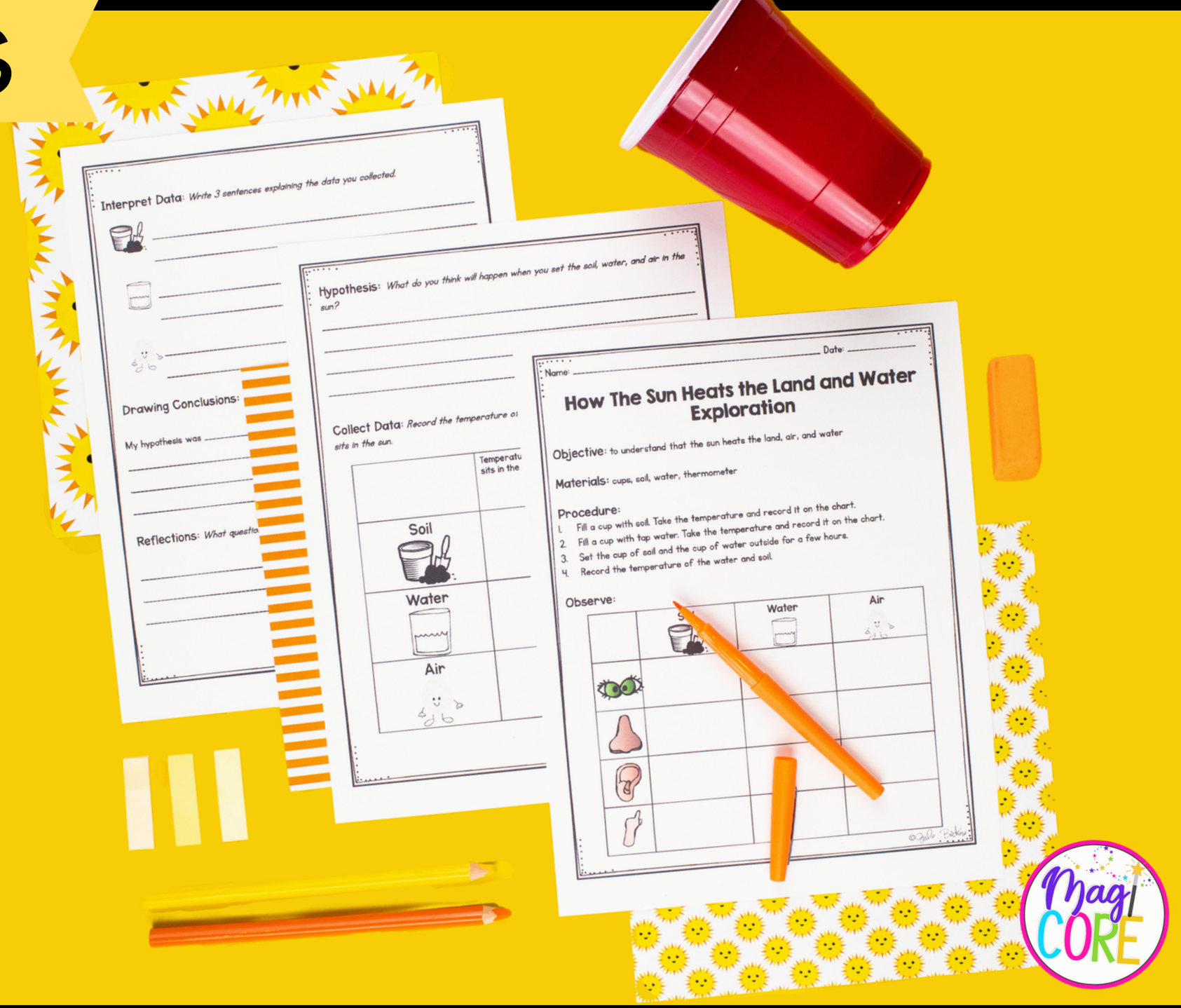
VIDEO & BRAINSTORMING



- 2 Original videos to introduce the topic.
- Prior knowledge and video graphic organizers.

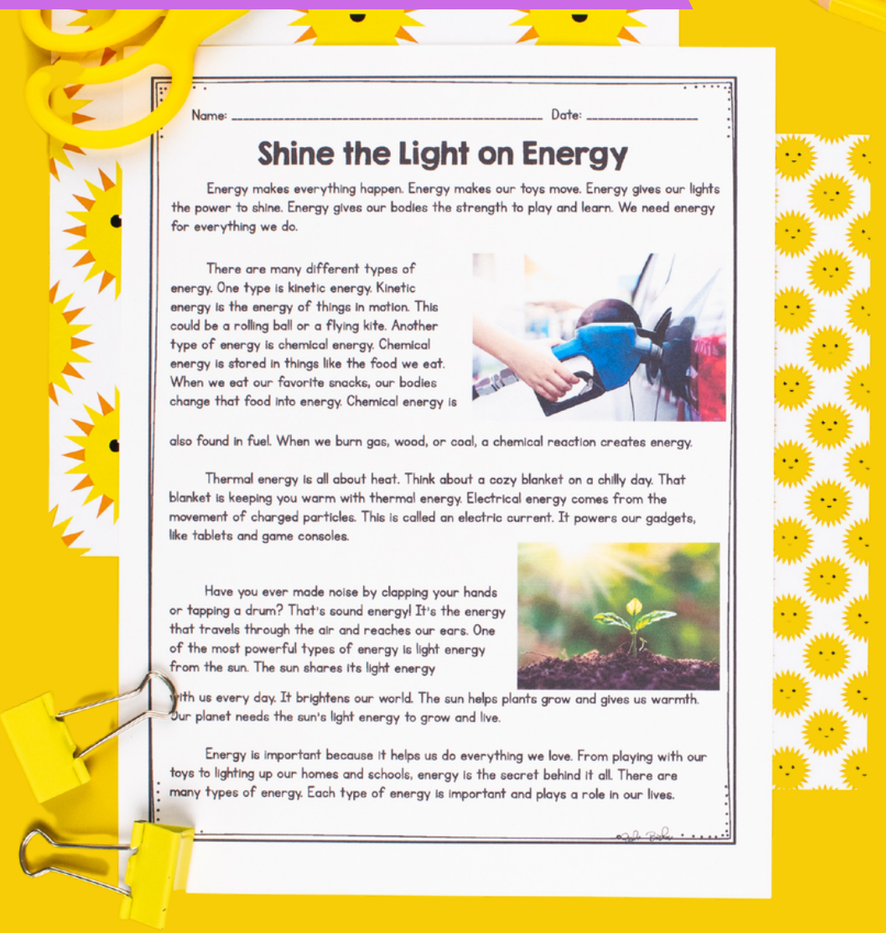
WORKSHEETS

- Activating Schema worksheets.



PASSAGES & QUESTIONS

- 2 Passages & Question Sets.
- Same content as custom video.
- Reinforces concepts and vocabulary.


Name: _____ Date: _____

Shine the Light on Energy

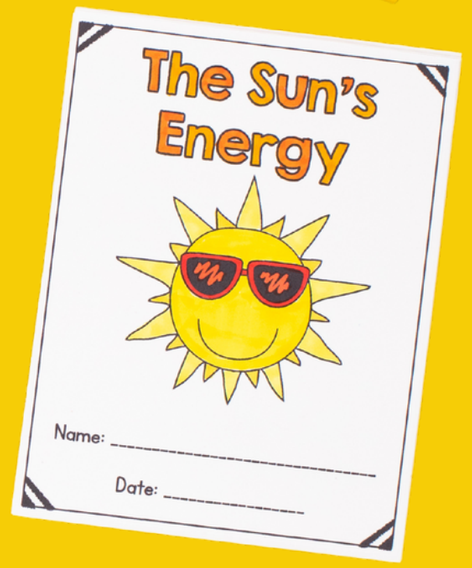
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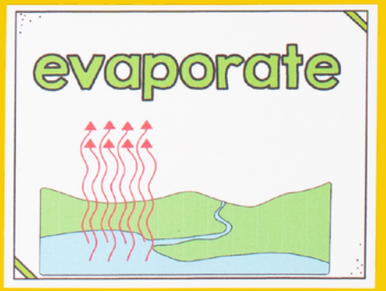
Have you ever made noise by clapping your hands or tapping a drum? That's sound energy! It's the energy that travels through the air and reaches our ears. One of the most powerful types of energy is light energy from the sun. The sun shares its light energy with us every day. It brightens our world. The sun helps plants grow and gives us warmth. Our planet needs the sun's light energy to grow and live.

Energy is important because it helps us do everything we love. From playing with our toys to lighting up our homes and schools, energy is the secret behind it all. There are many types of energy. Each type of energy is important and plays a role in our lives.









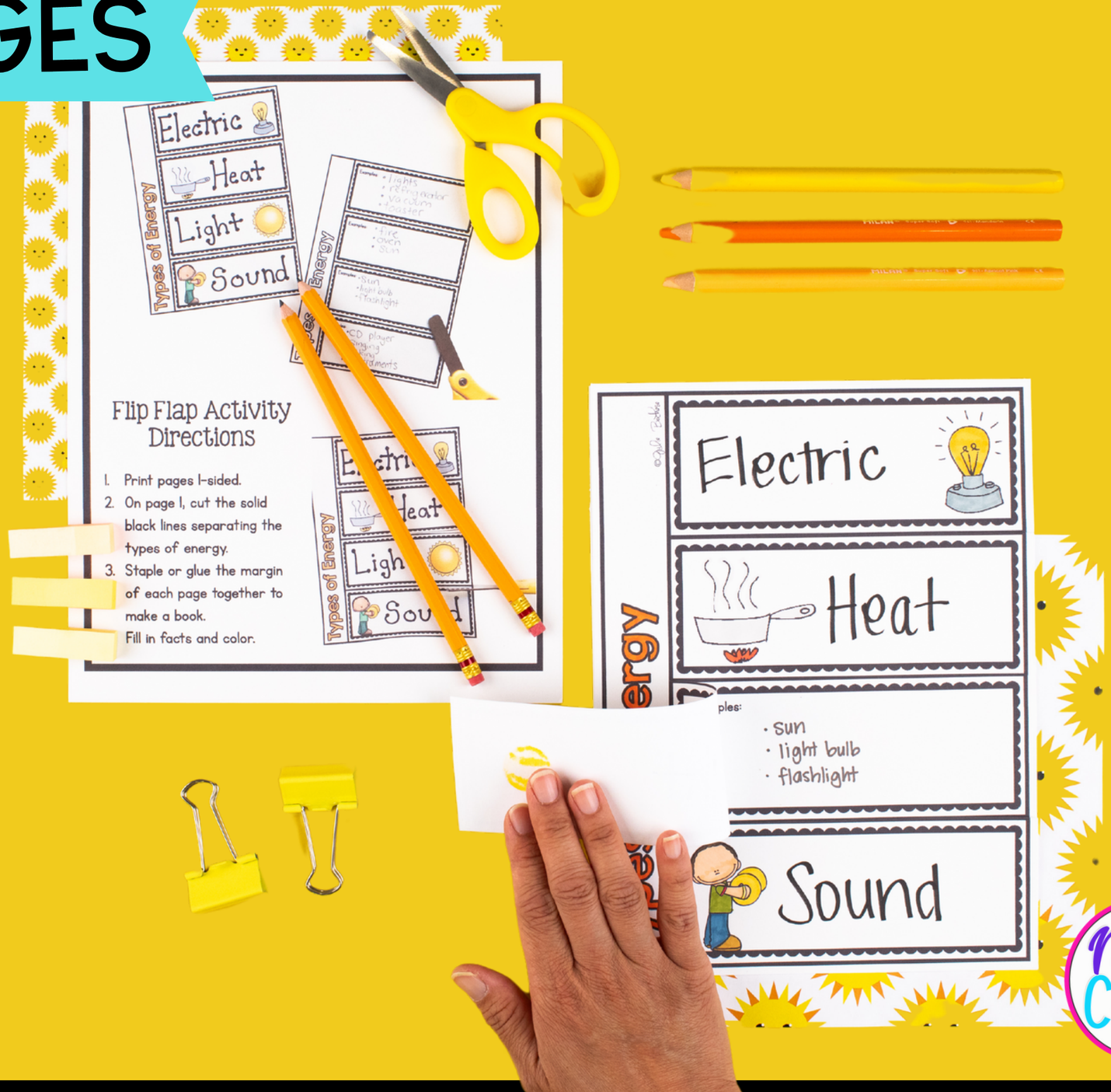
MINI BOOK

- Vocabulary Cards
- Fill-in-the-blank mini book to hold students accountable to content and concepts.



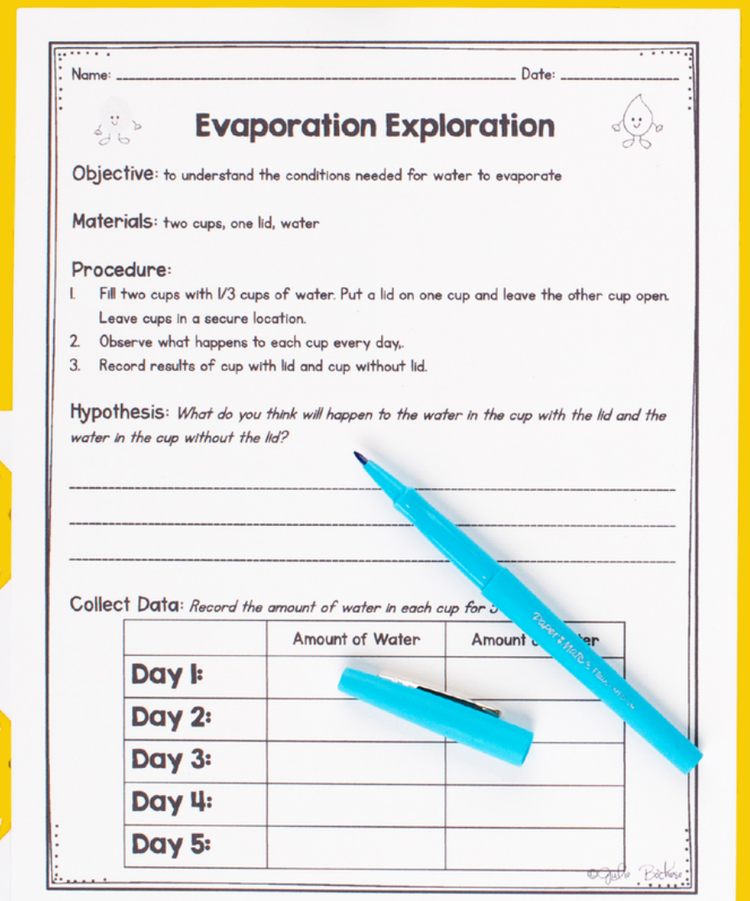
PRACTICE PAGES

- Video & Question Pages
- Mini Book
- Flip Book
- Sun's Daily Diary
- Energy Sort
- Sun & Earth Comic



EXPERIMENTS

- 3 Experiments that follow the Scientific Method.
- Allow students to collaborate and explore!



Name: _____ Date: _____

Evaporation Exploration

Objective: to understand the conditions needed for water to evaporate

Materials: two cups, one lid, water

Procedure:

1. Fill two cups with 1/3 cups of water. Put a lid on one cup and leave the other cup open. Leave cups in a secure location.
2. Observe what happens to each cup every day,.
3. Record results of cup with lid and cup without lid.

Hypothesis: *What do you think will happen to the water in the cup with the lid and the water in the cup without the lid?*

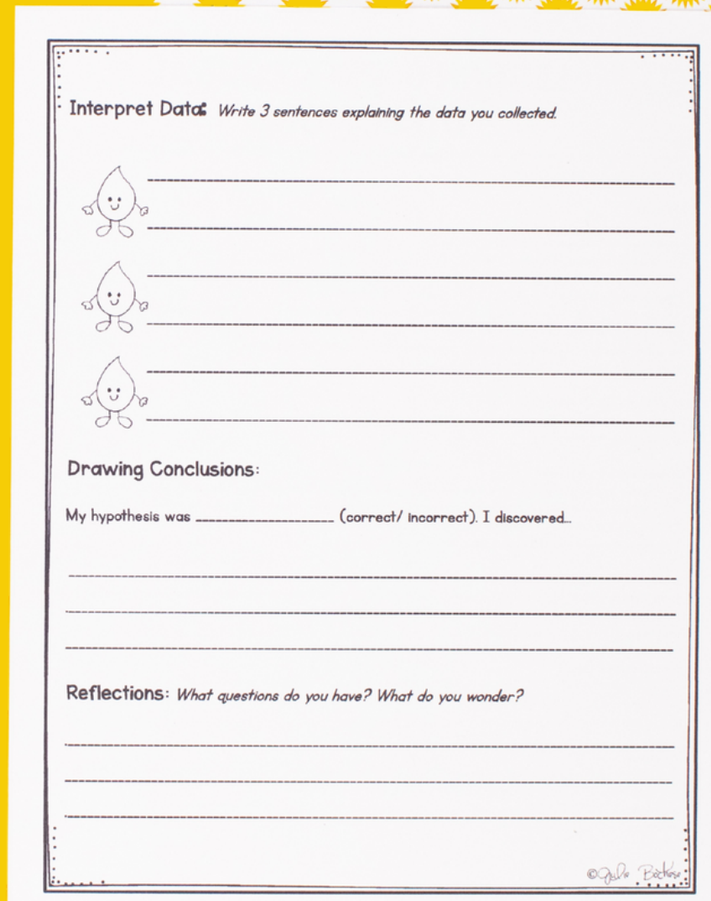
_____

_____

_____

Collect Data: *Record the amount of water in each cup for 5*

	Amount of Water	Amount
Day 1:		
Day 2:		
Day 3:		
Day 4:		
Day 5:		



Interpret Data: *Write 3 sentences explaining the data you collected.*

_____

_____

_____

_____

_____

_____

Drawing Conclusions:

My hypothesis was _____ (correct/ incorrect). I discovered...

_____

_____

_____

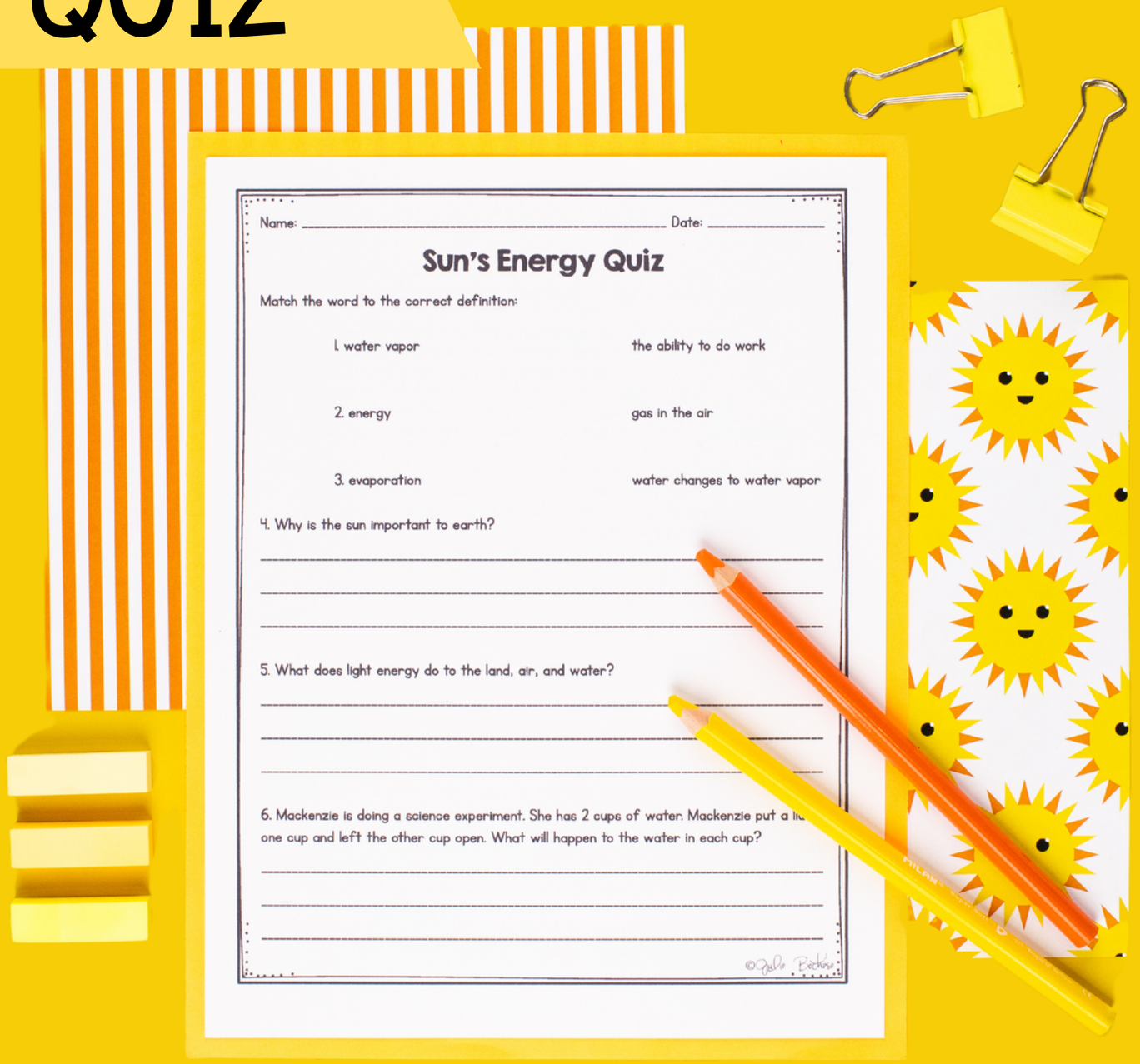
Reflections: *What questions do you have? What do you wonder?*

_____

_____

_____

QUIZ



Name: _____ Date: _____

Sun's Energy Quiz

Match the word to the correct definition:

1. water vapor	the ability to do work
2. energy	gas in the air
3. evaporation	water changes to water vapor

4. Why is the sun important to earth?

_____

_____

_____

5. What does light energy do to the land, air, and water?

_____

_____

_____

6. Mackenzie is doing a science experiment. She has 2 cups of water. Mackenzie put a li
one cup and left the other cup open. What will happen to the water in each cup?

_____

_____

_____

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Simple, quick quiz to ensure students understand basic concepts.

Magi CORE

UPGRADE THEIR SKILLS!



Love this unit, but need something more?
TRY THE BUNDLE!

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