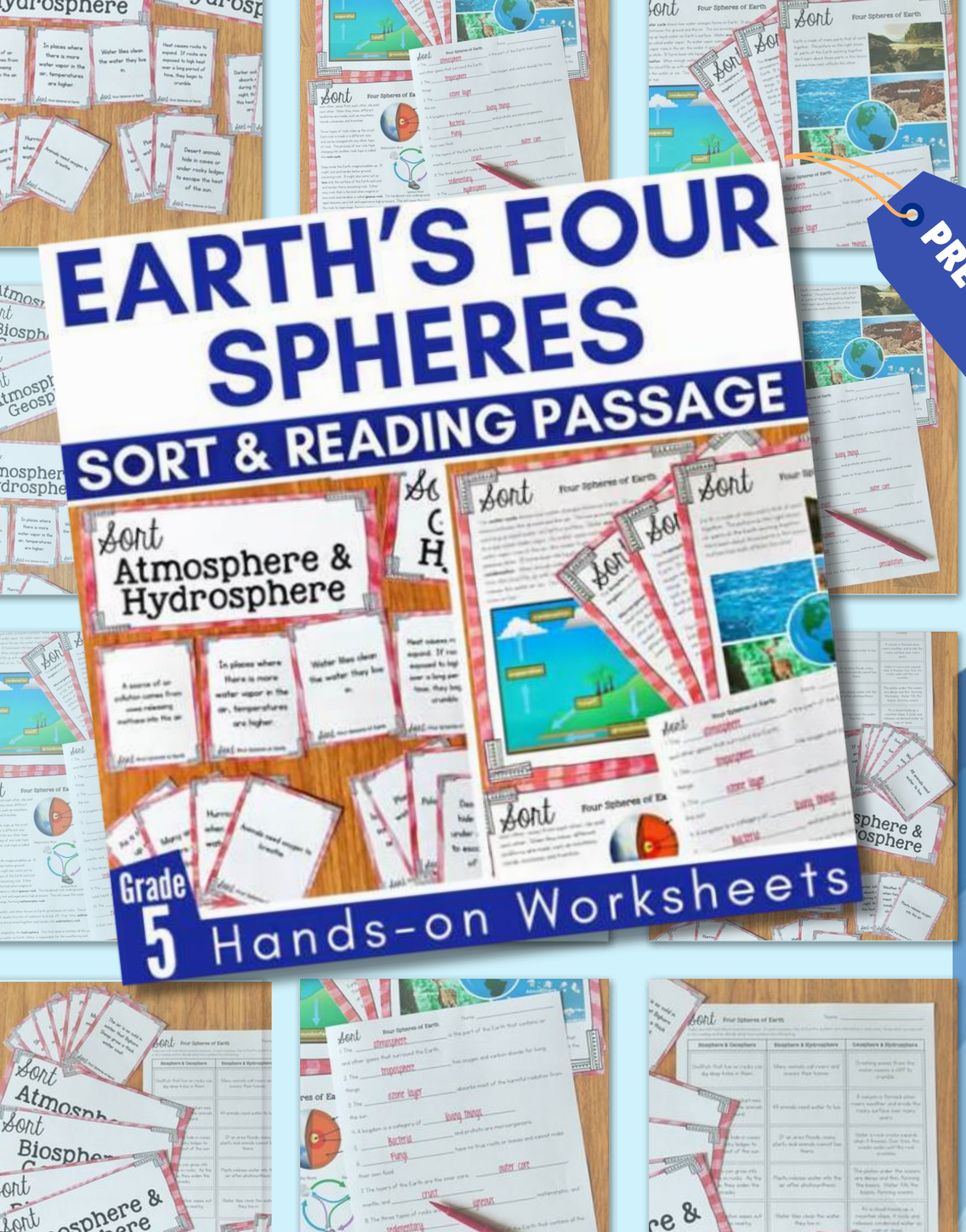


Explore Geosphere, Biosphere & More Through Sorting!

5TH GRADE

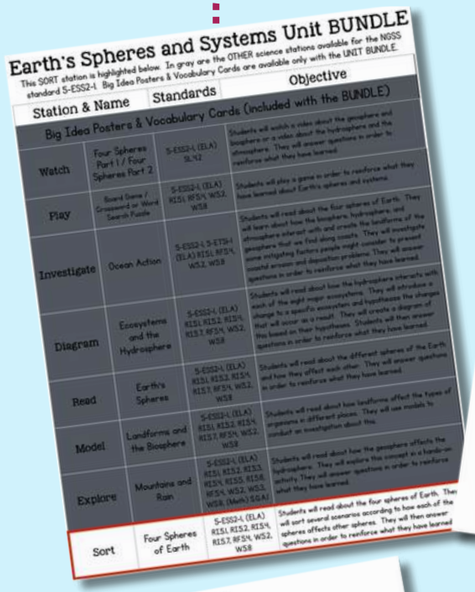
SORT EARTH'S FOUR SPHERES

KEEP SCROLLING TO SEE WHAT'S INSIDE!



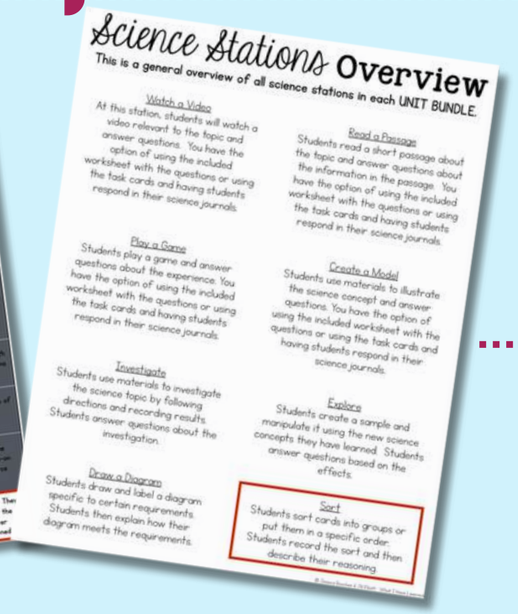
ACTIVITY OVERVIEW




Earth's Spheres and Systems Unit BUNDLE

This SORT station is highlighted below. In gray are the OTHER science stations available for the NGSS standard S-ESS2-1. Big Idea Posters & Vocabulary Cards are available only with the UNIT BUNDLE.

Station & Name	Standards	Objective
Big Idea Posters & Vocabulary Cards (included with the BUNDLE)		
Watch — Four Spheres Part 1 / Four Spheres Part 2	S-ESS2-1, (ELA) SL.1.2	Students will watch a video about the geosphere and atmosphere or a video about the hydrosphere and the atmosphere. They will answer questions in order to reinforce what they have learned.
Play — Board Game / Crossword or Word Search Puzzle	S-ESS2-1, (ELA) RI.5.1, RF.5.4, WS.2, WS.8	Students will play a game in order to reinforce what they have learned about Earth's spheres and systems.
Investigate — Ocean Action	S-ESS2-1, S-ETS1-1, (ELA) RI.5.1, RF.5.4, WS.2, WS.8	Students will read about the four spheres of Earth. They will learn about how the biosphere, hydrosphere, and atmosphere interact with and create the landforms of the geosphere that we find along coasts. They will investigate some mitigating factors people might consider to prevent coastal erosion and deposition problems. They will answer questions in order to reinforce what they have learned.
Diagram — Ecosystems and the Hydrosphere	S-ESS2-1, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about how the hydrosphere interacts with each of the eight major ecosystems. They will introduce a change to a specific ecosystem and hypothesize the changes that will occur as a result. They will create a diagram of their hypotheses. Students will then answer questions in order to reinforce what they have learned.
Read — Earth's Spheres	S-ESS2-1, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about the different spheres of the Earth and how they affect each other. They will answer questions in order to reinforce what they have learned.
Model — Landforms and the Biosphere	S-ESS2-1, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about how landforms affect the types of organisms in different places. They will use models to conduct an investigation about this.
Explore — Mountains and Rain	S-ESS2-1, (ELA) RI.5.1, RI.5.2, RI.5.3, RI.5.4, RI.5.5, RI.5.8, RF.5.4, WS.2, WS.3, WS.8, (Math) 5.G.A.1	Students will read about how the geosphere affects the hydrosphere. They will explore this concept in a hands-on activity. They will answer questions in order to reinforce what they have learned.
Sort — Four Spheres of Earth	S-ESS2-1, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about the four spheres of Earth. They will sort several scenarios according to how each of the spheres affects other spheres. They will then answer questions in order to reinforce what they have learned.


Science Stations Overview

This is a general overview of all science stations in each UNIT BUNDLE.

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

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 using the included worksheet with the questions or using the task cards and having students respond in their science journals.

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

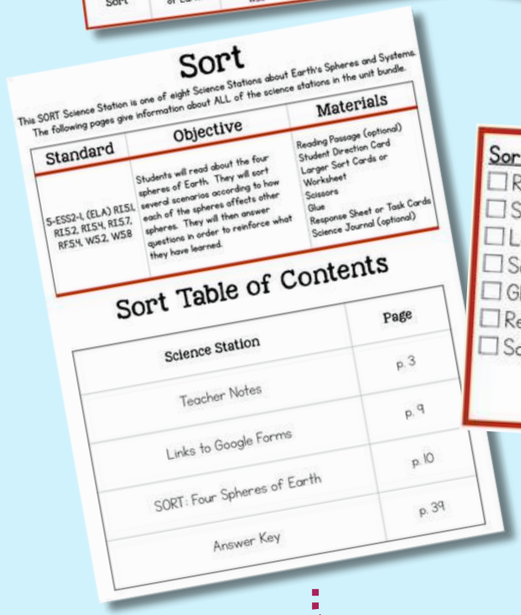
Create a Model
Students use materials to illustrate the science concept and answer questions. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

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

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

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

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

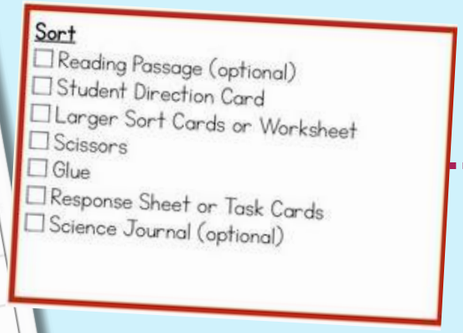

Sort

This SORT Science Station is one of eight Science Stations about Earth's Spheres and Systems. The following pages give information about ALL of the science stations in the unit bundle.

Standard	Objective	Materials
S-ESS2-1, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about the four spheres of Earth. They will sort several scenarios according to how each of the spheres affects other spheres. They will then answer questions in order to reinforce what they have learned.	Reading Passage (optional) Student Direction Card Larger Sort Cards or Worksheet Scissors Glue Response Sheet or Task Cards Science Journal (optional)

Sort Table of Contents

Science Station	Page
Teacher Notes	p. 3
Links to Google Forms	p. 9
SORT: Four Spheres of Earth	p. 10
Answer Key	p. 39


Sort

- ☐ Reading Passage (optional)
- ☐ Student Direction Card
- ☐ Larger Sort Cards or Worksheet
- ☐ Scissors
- ☐ Glue
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)

Table of Contents

Background Information

Materials Checklist

Teacher Notes/ Table of Contents

WHAT'S INCLUDED

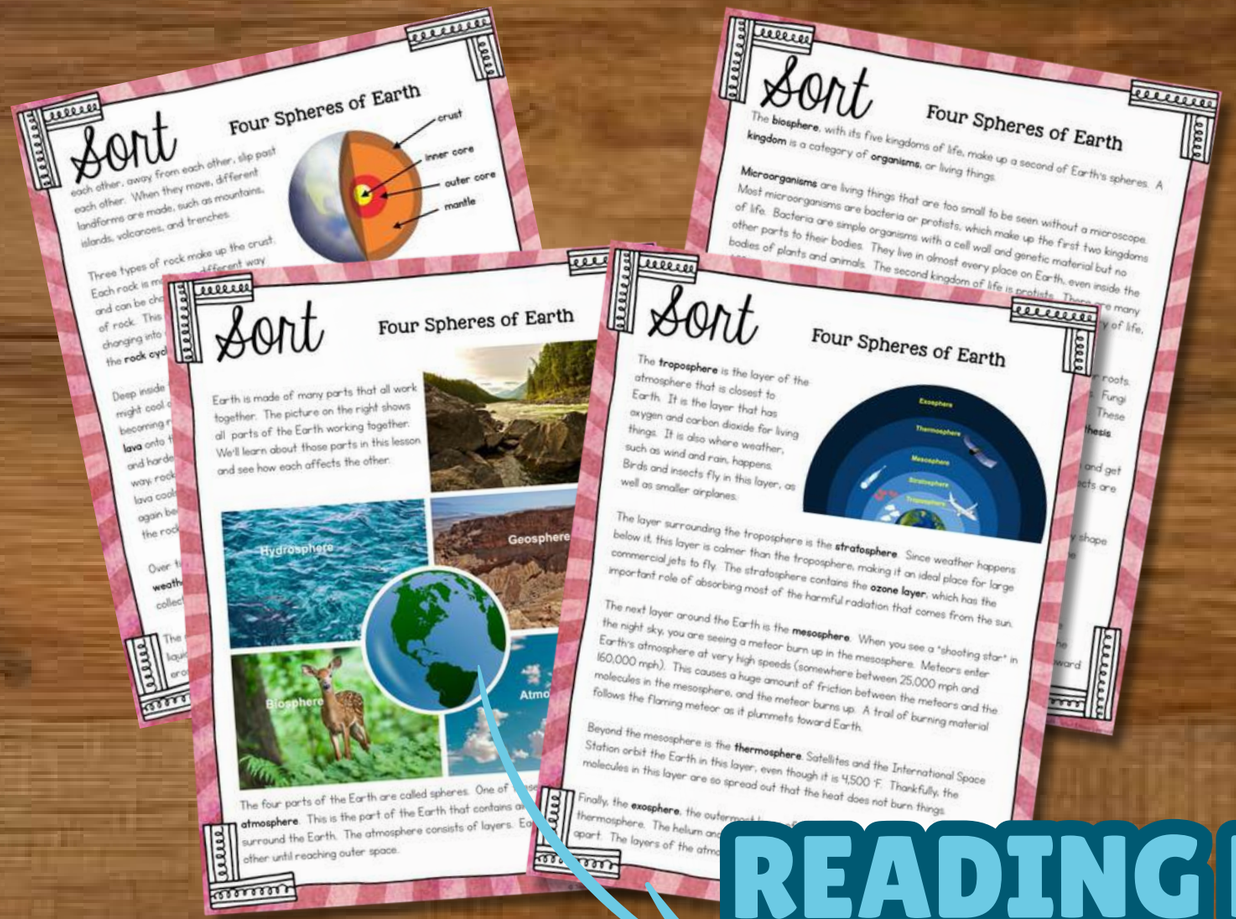
SORTING SCIENCE STAION

- **Student Text** in two formats
- Sorting Activity with **color cards**
- Sorting Activity in a **b&w worksheet**
- Differentiated **Questions**
- Answer Key
- Google Form™
- Google Slides™ with Sort Activity

ADD TO CART



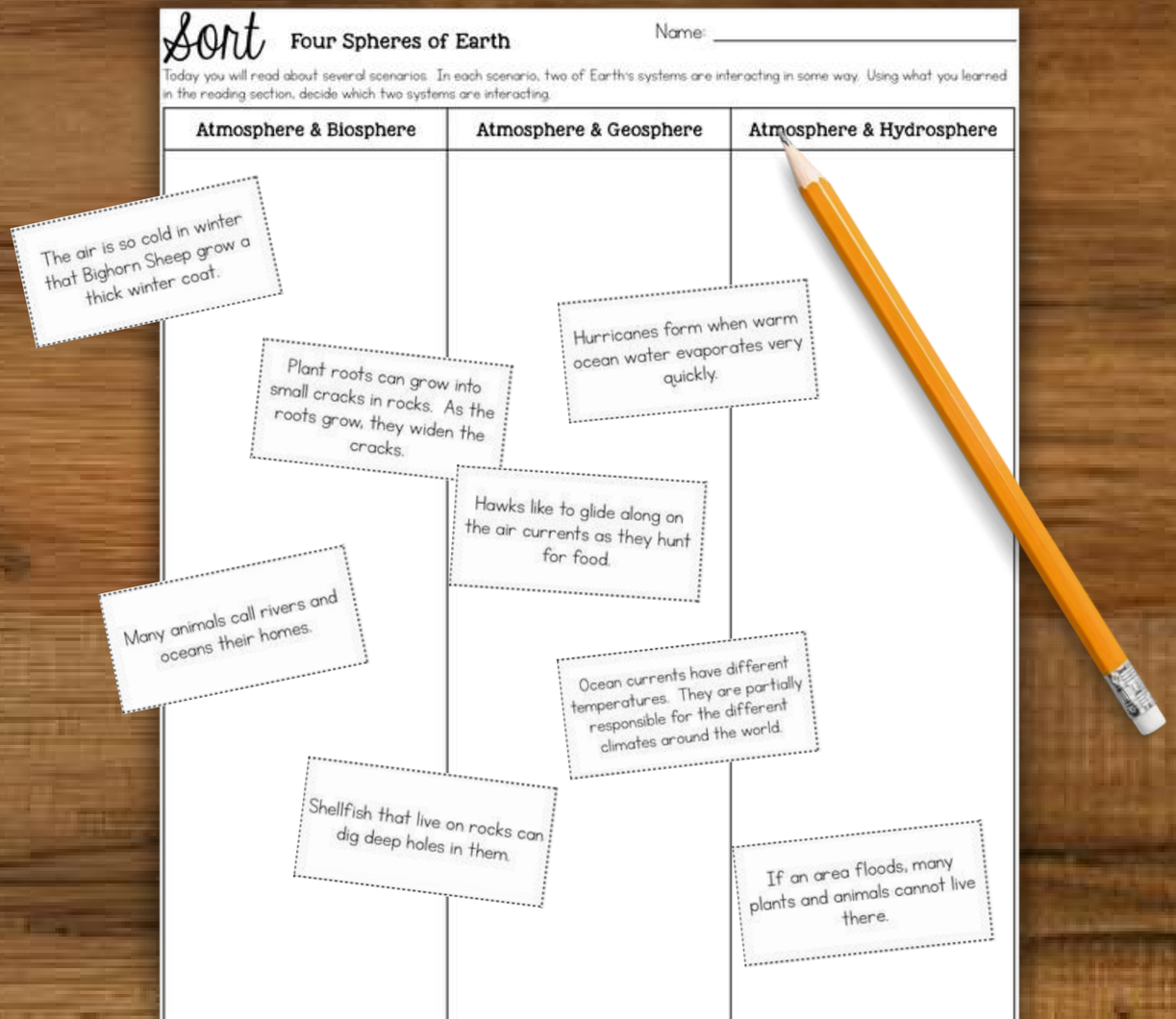
SORT: READING PASSAGE





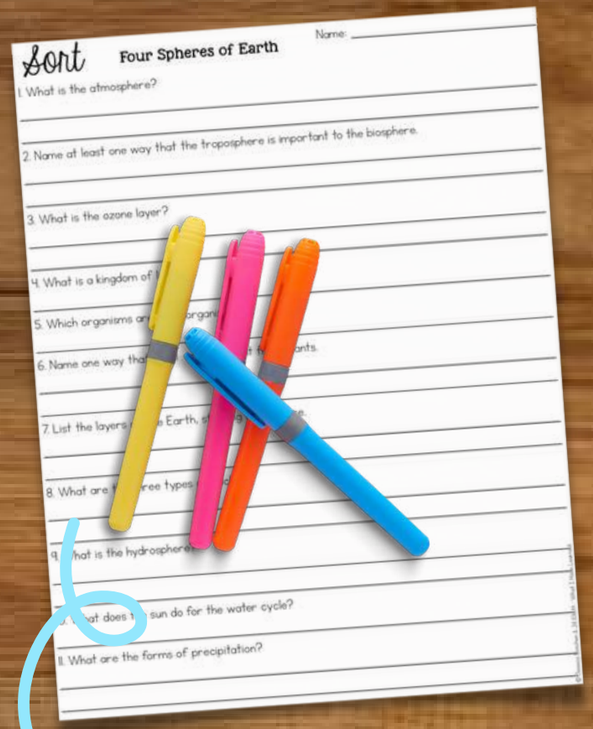
READING PASSAGE IN TWO FORMATS

ENGAGING ACTIVITY & WORKSHEETS





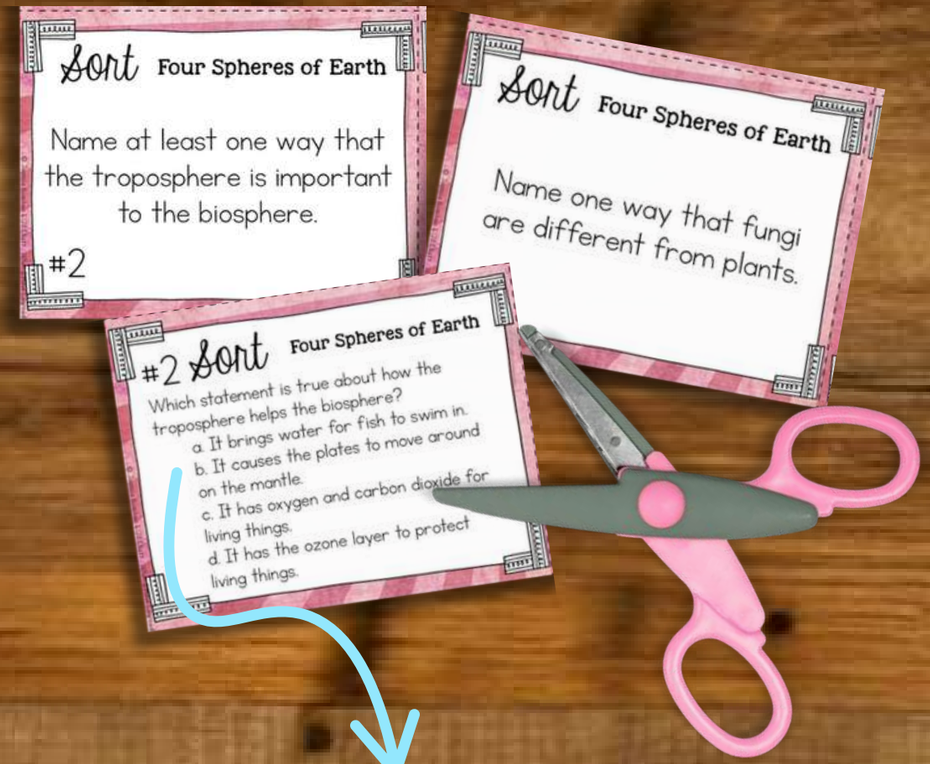
DIFFERENTIATED QUESTIONS



SHORT ANSWER



FILL-IN-THE BLANK



TASK CARDS: SHORT ANSWER & MULTIPLE CHOICE


Sort
Four Spheres of Earth
Name:
Biosphere & Geosphere
Biosphere & Hydrosphere
Geosphere & Hydrosphere
Sort
Atmosphere & Geosphere
Sort
Atmosphere & Hydrosphere
Sort
Geosphere & Hydrosphere
1. What is the atmosphere?
The atmosphere is the part of the Earth that contains air and other gases that surround the Earth.
2. Name at least one way that the troposphere is important to the biosphere.
Choose 1: The troposphere has oxygen and carbon dioxide for living things; it is where weather occurs, which brings water that living things need; birds and insects fly in the troposphere.
3. What is the ozone layer?
The ozone layer absorbs most of the harmful radiation from the sun.
4. What is a kingdom of life?
A kingdom is a category of living things.
5. Which organisms are microorganisms?
Bacteria and protists are microorganisms.
6. Name one way that fungi are different from plants.
Choose one: Fungi have no true roots or leaves; fungi cannot make their own food.
7. List the layers of the Earth, starting at the core.
The layers of Earth are inner core, outer core, mantle, and crust.
8. What are the three types of rocks?
The three types of rocks are igneous, metamorphic, and sedimentary.
9. What is the hydrosphere?
The hydrosphere is the part of the Earth that contains all the solid, liquid, and gaseous water on Earth.
Four Spheres of Earth
crust
inner core
outer core
mantle
Metamorphic Rock
Sedimentary Rock
Igneous Rock
Four Spheres of Earth
condensation
evaporation
precipitation
runoff
groundwater
p. 5

YOU WILL LOVE THIS BECAUSE



Engaging and Interactive

Hands-on sorting activity keeps students actively involved while reinforcing important science vocabulary and concepts.



Strong NGSS Alignment

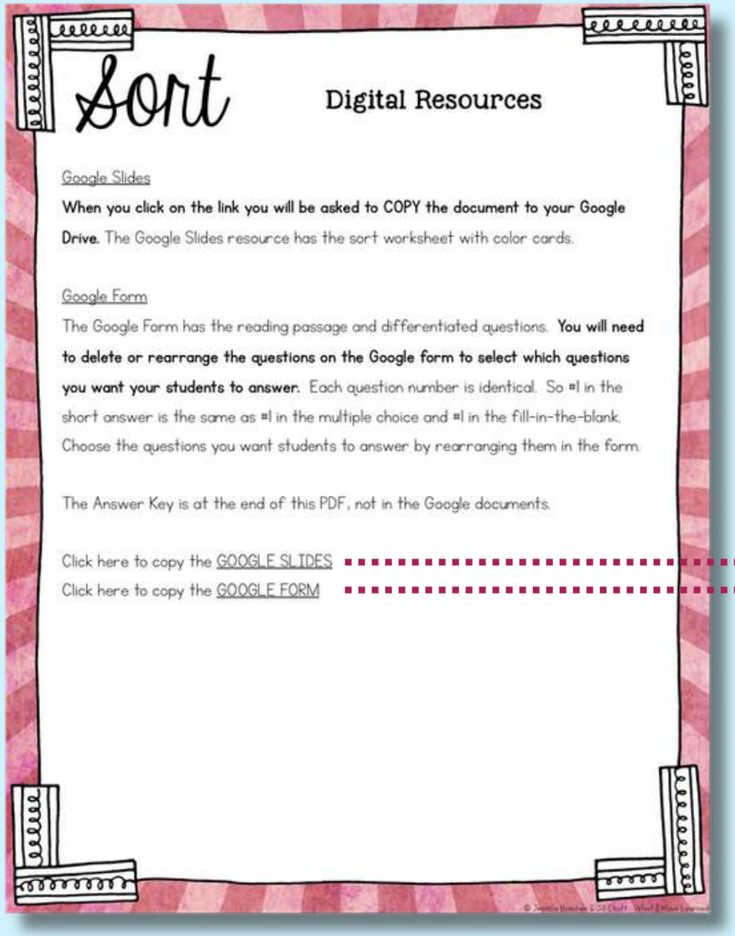
Directly supports 5-ESS2-1 through reading, sorting, analyzing, and evidence-based reasoning.

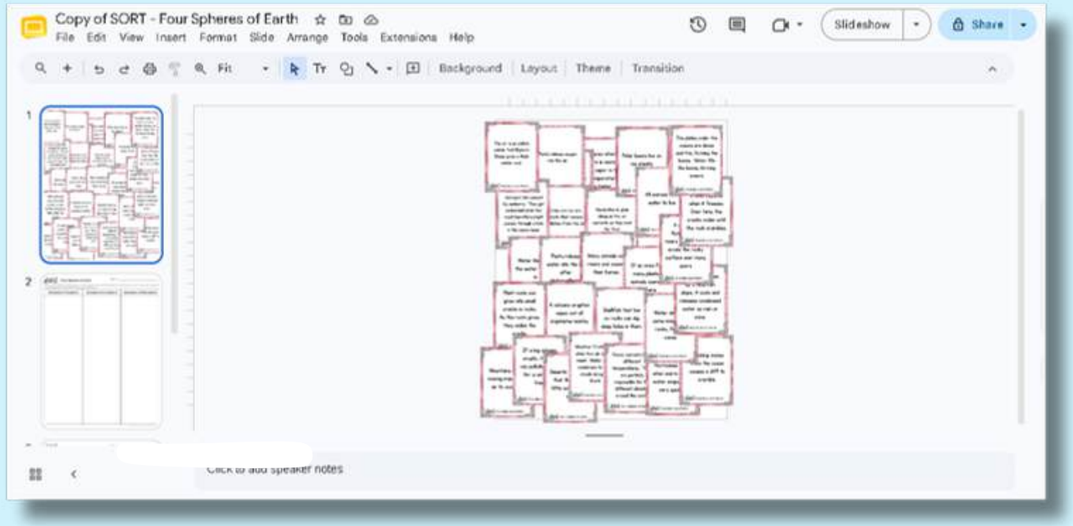


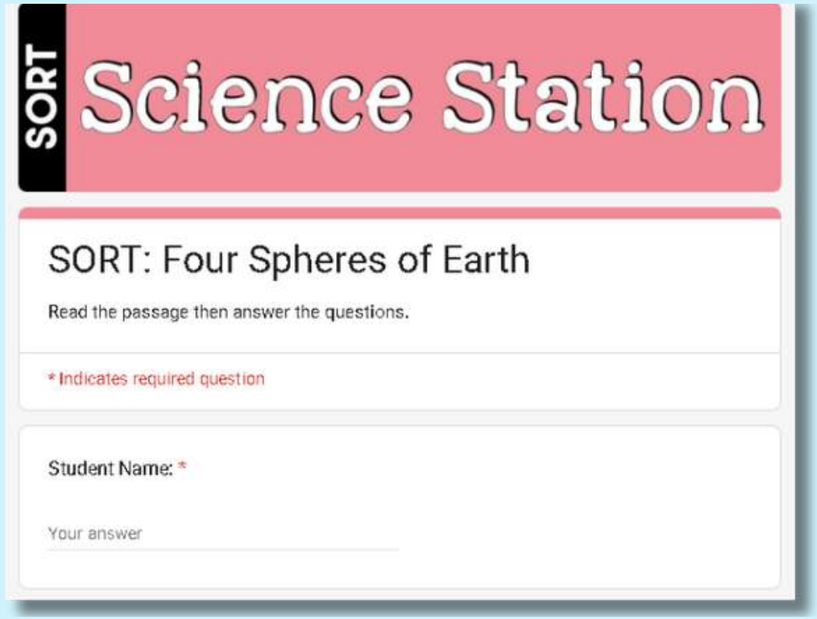
Easy Prep, Maximum Impact

Print or assign digitally with minimal preparation while maintaining rigorous, standards-aligned science instruction.

DIGITAL VERSIONS







DIGITAL VERSIONS

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

Answer keys provided

TEACHERS LOVE IT!

This was a great activity to get the kids engaged and thinking about how the spheres interact. I will be pulling this back out before testing to review.

Amy H.

I recently had the opportunity to use this resource in my classroom, and I must say it exceeded my expectations. It provided engaging and informative content that resonated well with my students, making complex topics more accessible...

Mallory E.





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to get more resources!

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