

Let's Sort and Find Out!

2ND GRADE

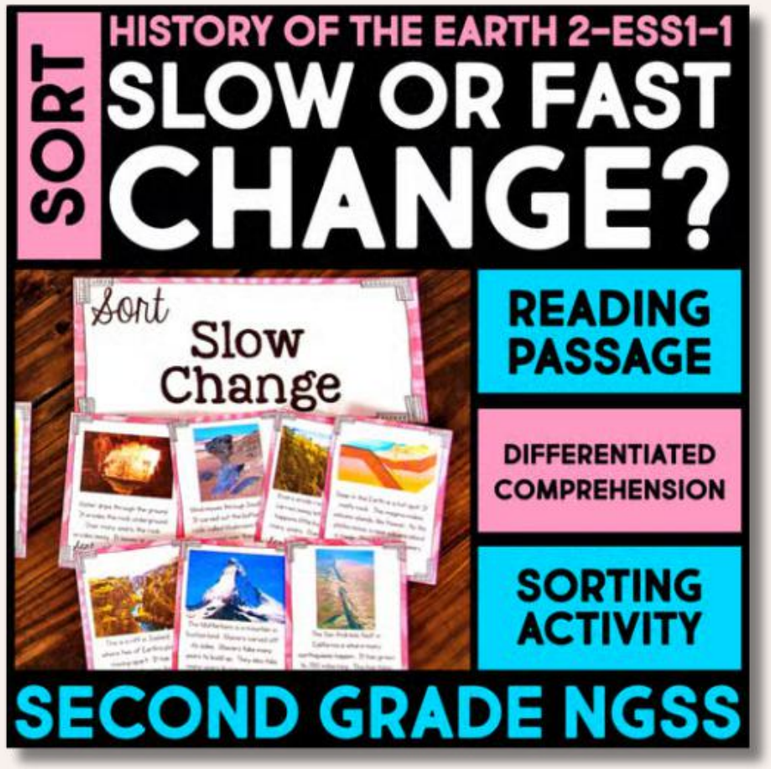
SORT

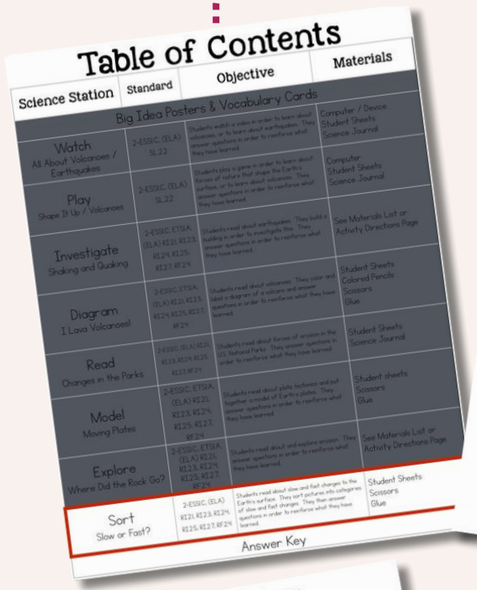
SLOW OR FAST CHANGES



KEEP SCROLLING TO SEE WHAT'S INSIDE!

ACTIVITY OVERVIEW




Table of Contents

Science Station	Standard	Objective	Materials
Big Idea Posters & Vocabulary Cards			
Watch All About Volcanoes / Earthquakes	2-ESS1C. (ELA) SL.2.2	Students watch a video in order to learn about volcanoes, or to learn about earthquakes. They answer questions in order to reinforce what they have learned.	Computer / Device Student Sheets Science Journal
Play Shape It Up / Volcanoes	2-ESS1C. (ELA) SL.2.2	Students play a game in order to learn about forces of nature that shape the Earth's surface, or to learn about volcanoes. They answer questions in order to reinforce what they have learned.	Computer Student Sheets Science Journal
Investigate Shaking and Quaking	2-ESS1C. ETS1A. (ELA) RI.2.1, RI.2.5, RI.2.7, RF.2.4	Students read about earthquakes. They build a building in order to investigate this. They answer questions in order to reinforce what they have learned.	See Materials List or Activity Directions Page
Diagram I Love Volcanoes!	2-ESS1C. ETS1A. (ELA) RI.2.1, RI.2.5, RI.2.7, RF.2.4	Students read about volcanoes. They color and label a diagram of a volcano and answer questions in order to reinforce what they have learned.	Student Sheets Colored Pencils Scissors Glue
Read Changes in the Parks	2-ESS1C. (ELA) RI.2.1, RI.2.4, RI.2.5, RI.2.7, RF.2.4	Students read about forces of erosion in the US National Parks. They answer questions in order to reinforce what they have learned.	Student Sheets Science Journal
Model Moving Plates	2-ESS1C. ETS1A. (ELA) RI.2.1, RI.2.4, RI.2.5, RI.2.7, RF.2.4	Students read about plate tectonics and put together a model of Earth's plates. They answer questions in order to reinforce what they have learned.	Student sheets Scissors Glue
Explore Where Did the Rock Go?	2-ESS1C. ETS1A. (ELA) RI.2.1, RI.2.4, RI.2.5, RI.2.7, RF.2.4	Students read about and explore erosion. They answer questions in order to reinforce what they have learned.	See Materials List or Activity Directions Page
Sort Slow or Fast?	2-ESS1C. (ELA) RI.2.1, RI.2.3, RI.2.4, RI.2.5, RI.2.7, RF.2.4	Students read about slow and fast changes to the Earth's surface. They sort pictures into categories of slow and fast changes. They then answer questions in order to reinforce what they have learned.	Student Sheets Scissors 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.

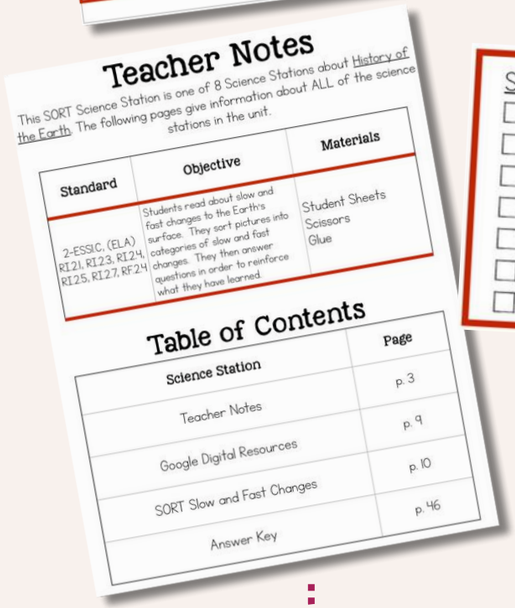
Draw a Diagram
Students draw and label a diagram specific to certain requirements. Students then explain how their diagram meets the requirements.

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 questions 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 SORT Science Station is one of 8 Science Stations about History of the Earth. The following pages give information about ALL of the science stations in the unit.

Standard	Objective	Materials
2-ESS1C. (ELA) RI.2.1, RI.2.3, RI.2.4, RI.2.5, RI.2.7, RF.2.4	Students read about slow and fast changes to the Earth's surface. They sort pictures into categories of slow and fast changes. They then answer questions in order to reinforce what they have learned.	Student Sheets Scissors Glue

Table of Contents

Science Station	Page
Teacher Notes	p. 3
Google Digital Resources	p. 9
SORT Slow and Fast Changes	p. 10
Answer Key	p. 46

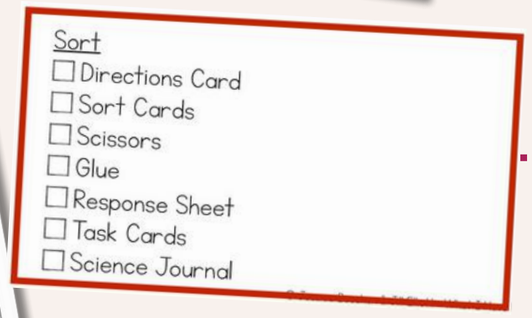

Sort
- ☐ Directions Card
- ☐ Sort Cards
- ☐ Scissors
- ☐ Glue
- ☐ Response Sheet
- ☐ Task Cards
- ☐ Science Journal

Table of Contents

Background Information

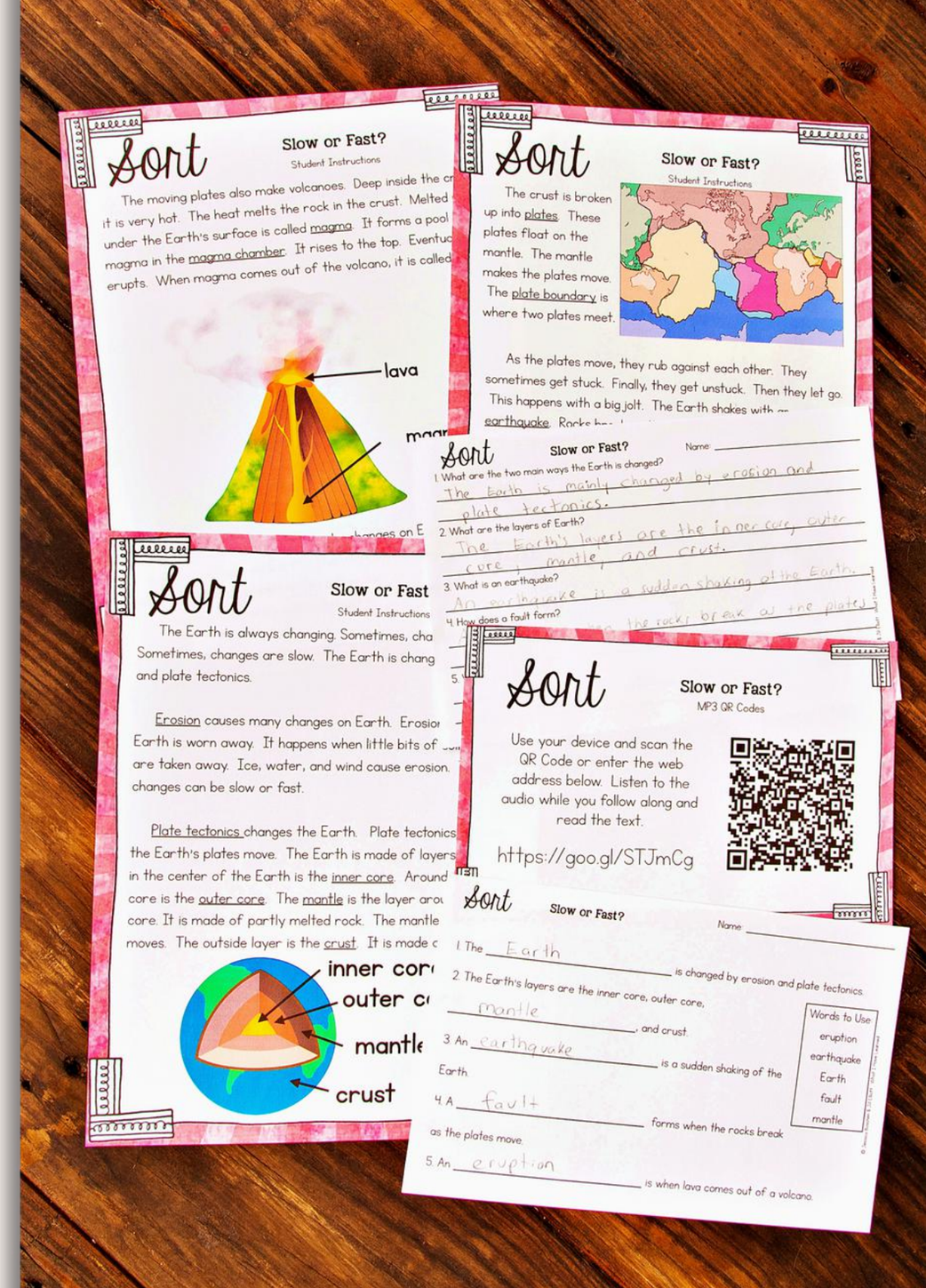
Materials Checklist

Teacher Notes/ Table of Contents

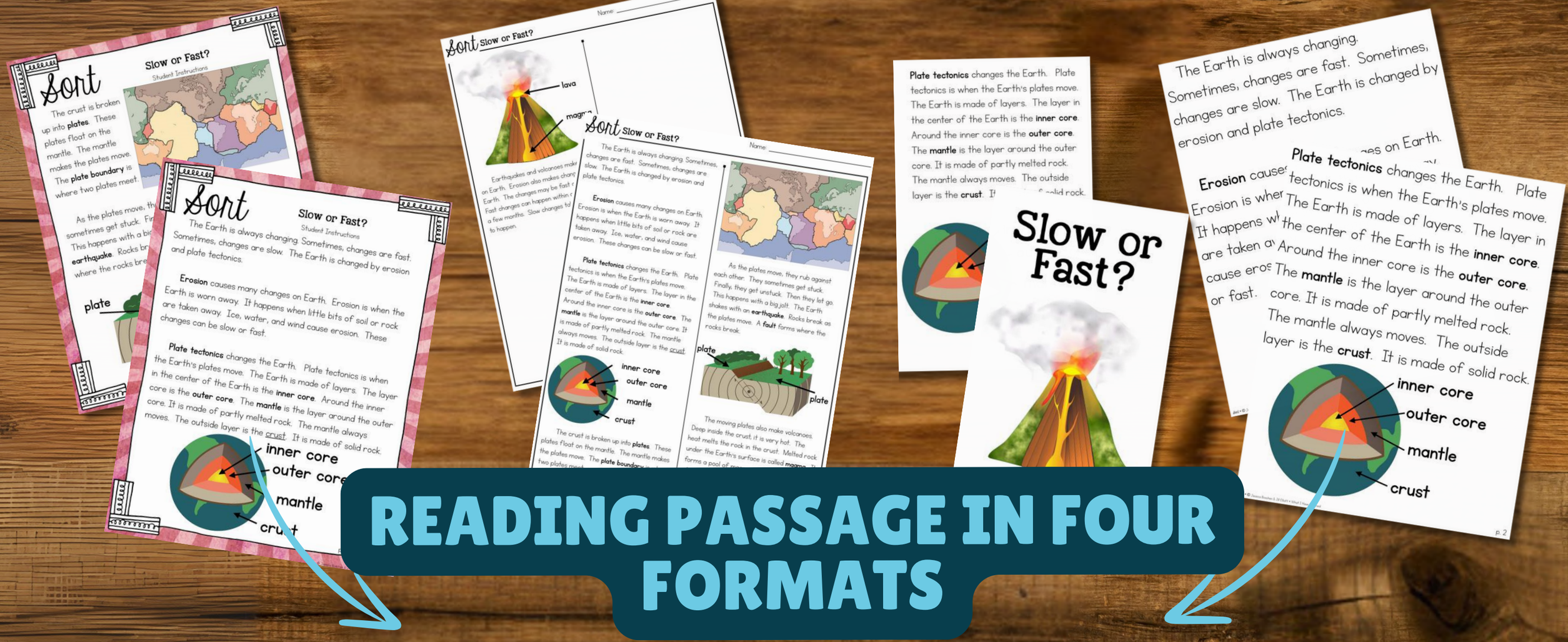
WHAT'S INCLUDED

SORTING SCIENCE STAION

- **Student Text** in two formats
- **MP3** Audio Read-Aloud
- Sorting Activity with **color cards**
- Sorting Activity in a **b&w worksheet**
- Differentiated **Questions**
- Answer Key
- Google Form™
- Google Slides™ with Sort Activity



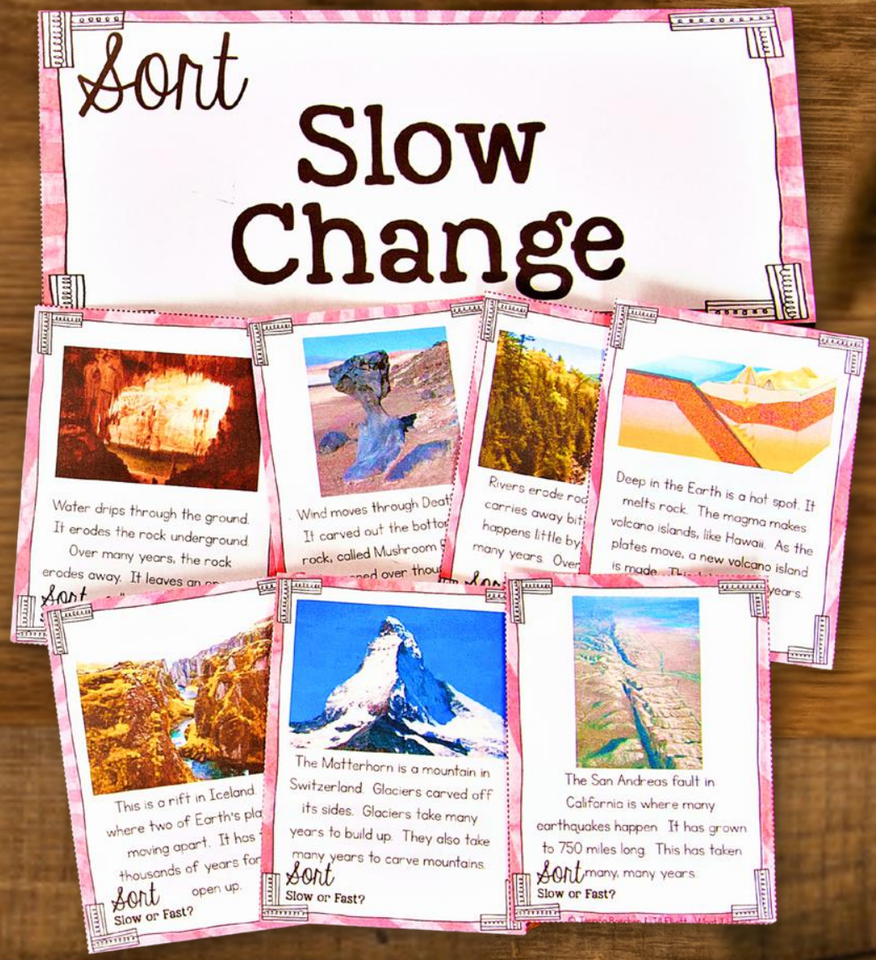
SORT: READING PASSAGE



READING PASSAGE IN FOUR FORMATS

ENGAGING ACTIVITY & WORKSHEETS







ENGAGING ACTIVITY & WORKSHEETS













Sort Slow or Fast?

Name: _____

Look at the pictures. Read the sentences that describe them. They all describe changes on Earth. Decide if these are fast changes or slow changes.

Fast Change	Slow Change

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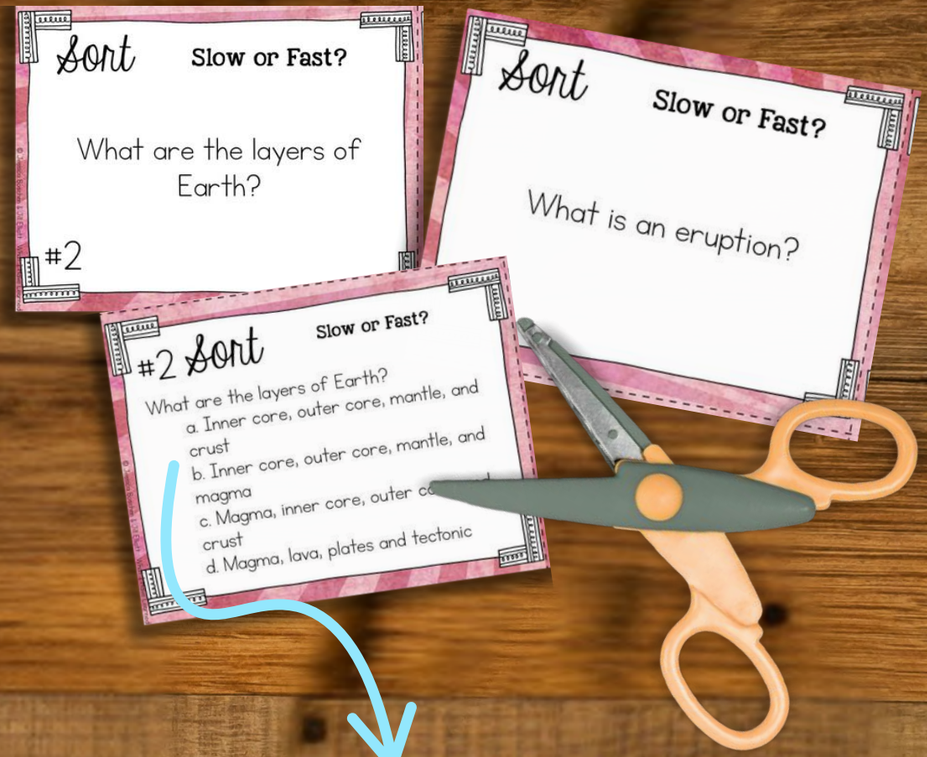
DIFFERENTIATED QUESTIONS



SHORT ANSWER



FILL-IN-THE BLANK



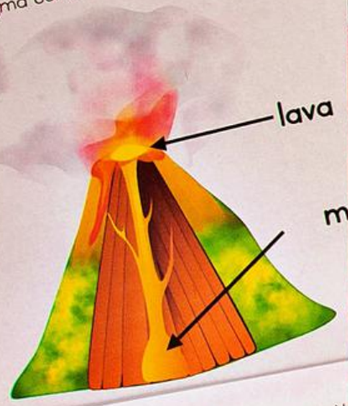
TASK CARDS: SHORT ANSWER & MULTIPLE CHOICE

Sort

Slow or Fast?

Student Instructions

The moving plates also make volcanoes. Deep inside the crust, it is very hot. The heat melts the rock in the crust. Melted rock under the Earth's surface is called magma. It forms a pool of magma in the magma chamber. It rises to the top. Eventually, it erupts. When magma comes out of the volcano, it is called lava.

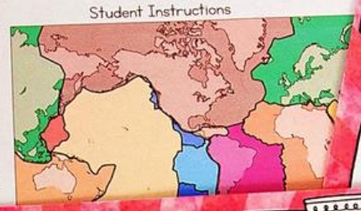


Sort

Slow or Fast?

Student Instructions

The crust is broken into plates. These ...tes float on the ...tle. The mantle ...es the plates move.



Sort

Slow or Fast?

MP3 QR Codes

Use your device and scan the QR Code or enter the web address below. Listen to the audio while you follow along and read the text.

Sort

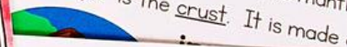
Slow or Fast?

Student Instructions

The Earth is always changing. Sometimes, changes are slow. Sometimes, changes are fast. The Earth is changed by erosion and plate tectonics.

...osion causes many changes on Earth. Erosion is when the ... is worn away. It happens when little bits of soil or rock ...en away. Ice, water, and wind cause erosion. These ... can be slow or fast.

...tectonics changes the Earth. Plate tectonics is when ...s plates move. The Earth is made of layers. The layer ...r of the Earth is the inner core. Around the inner ...uter core. The mantle is the layer around the outer ...de of partly melted rock. The mantle always ...tside layer is the crust. It is made of solid rock.





Name: _____

Sort

Slow or Fast?

1. What are the two main ways the Earth is changed?
The Earth is mainly changed by erosion and plate tectonics.
2. What are the layers of Earth?
The Earth's layers are the inner core, outer core, mantle, and crust.
3. What is an earthquake?
An earthquake is a sudden shaking of the Earth.
4. How does a fault form?
A fault forms when the rocks break as the plates move.
5. What is an eruption?
An eruption is when lava comes out of a volcano.

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Name: _____

1. The Earth
2. The Earth's layers are the inner core, ou...
mantle, and ...
3. An earthquake ...
Earth.
4. A fault ... forms when the rocks break ...
as the plates move.
5. An eruption ... is when lava comes out of a volcano.

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YOU WILL LOVE THIS BECAUSE



Connects Reading with Hands-On Sorting

Students engage deeply by reading, analyzing, and physically or digitally sorting changes in Earth's surface.



Aligned to NGSS 2-ESS1-1 and 2-ESS2-1

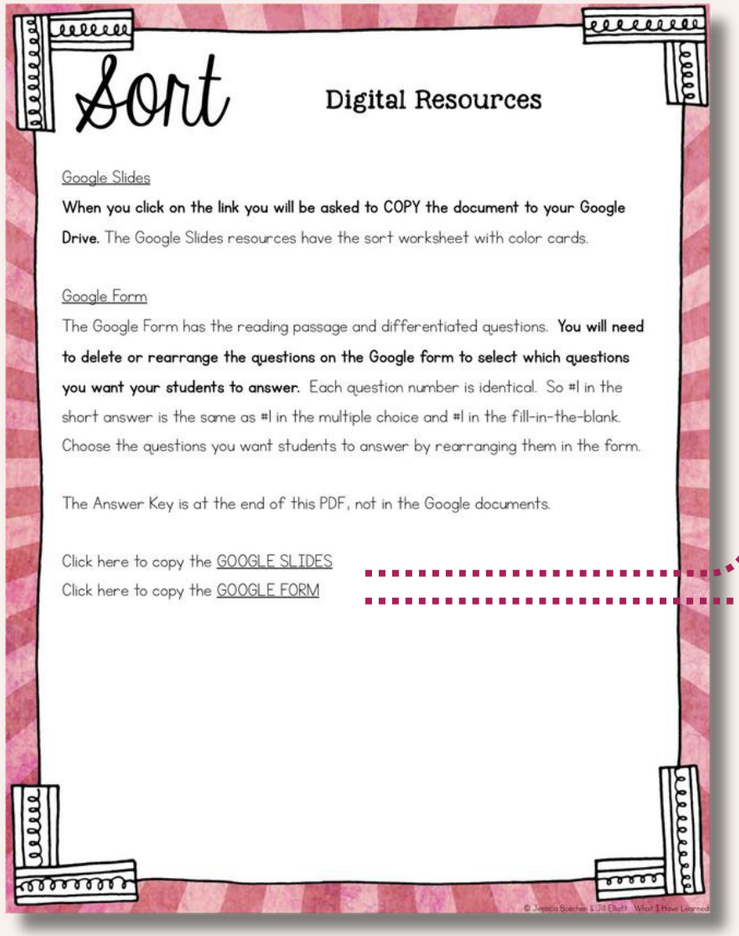
Perfectly supports standards with evidence-based sorting and science vocabulary integration.

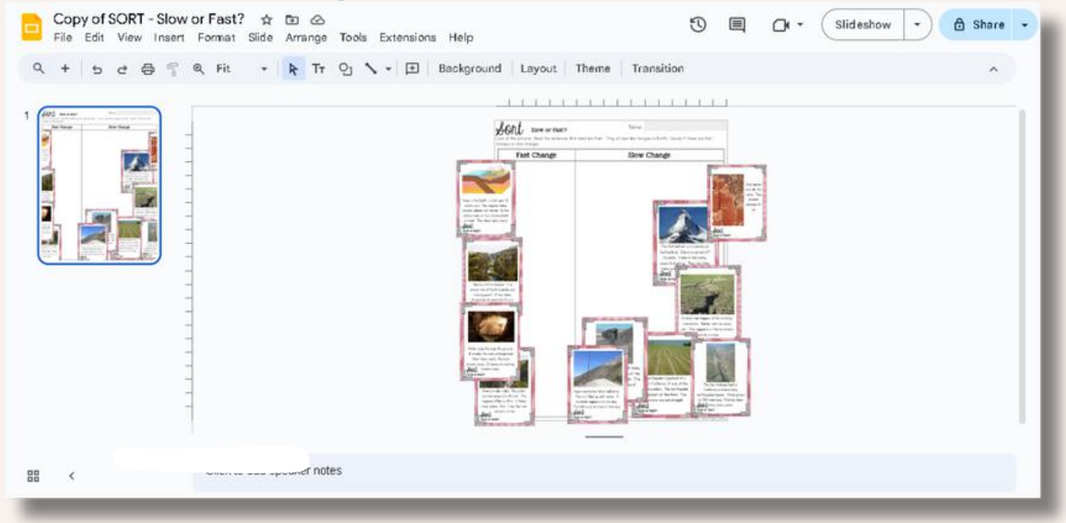


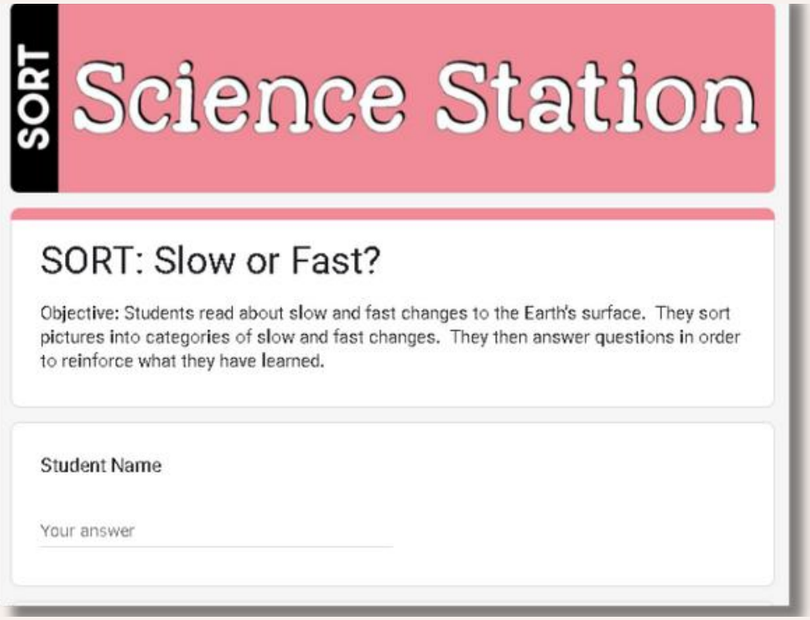
Supports Differentiated Instruction

Multiple reading levels, audio, and five response types mean every student has access to the content.

DIGITAL VERSIONS







DIGITAL VERSIONS

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

Answer keys provided

TEACHERS LOVE IT!

"This was a very useful resource that helped my students understand the types of changes and what types are slow and fast. "

Corrine G.



This resource was great for these science standards. Students were engaged and interested in this topic.

Alexandria D.



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