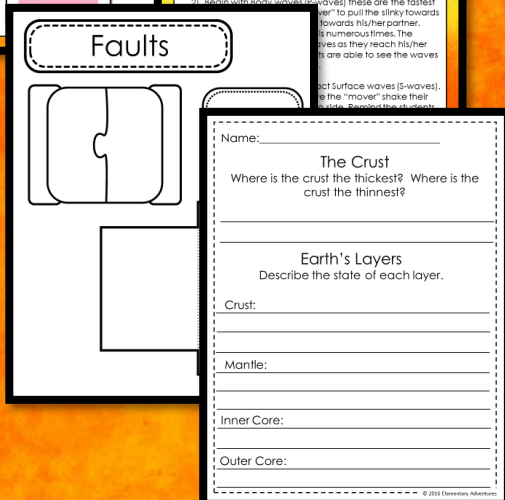
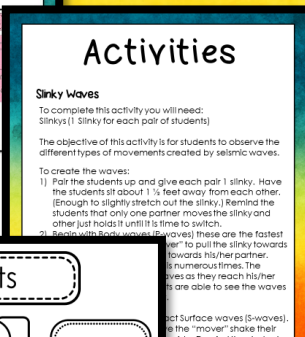
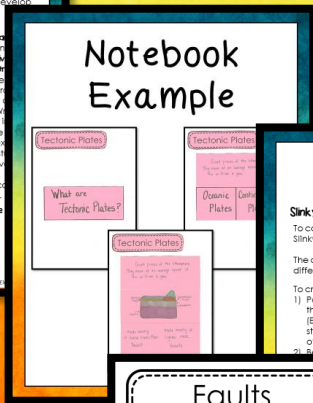
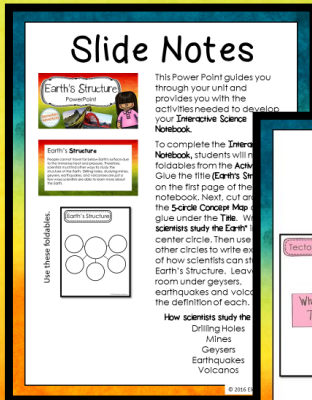


SAMPLE

# Earth's Structure

Slide Notes,  
Interactive Notebook Foldables,  
& Assessments



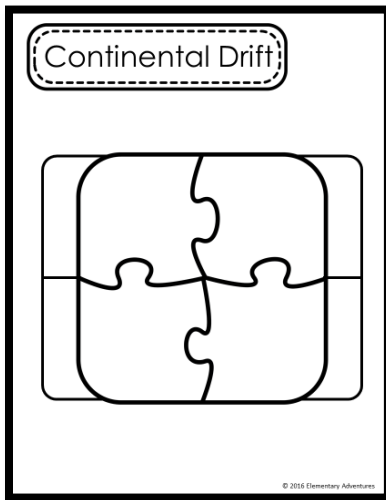
# Slide Notes

## Continental Drift

In 1915, Alfred Wegener, a German meteorologist and geologist suggested that the continents were moving slowly across the Earth's surface. This theory became known as the **Theory of Continental Drift**.



Use these foldables.



This page of the **Interactive Notebook** will use the next 3 slides. Begin this page by gluing the title (**Continental Drift**) to the top of the page. Next, cut out the **4-piece Puzzle**. (Cut on the outer solid lines and then each individual piece). Glue the outer edges of each **piece** under the **title**.

On the **Top Left Piece** have students write **Theory** on the outside. Next, lift **Top Left Piece** and write the **Theory of Continental Drift**.

**Theory of Continental Drift** – the theory that continents are moving slowly across the Earth's surface.

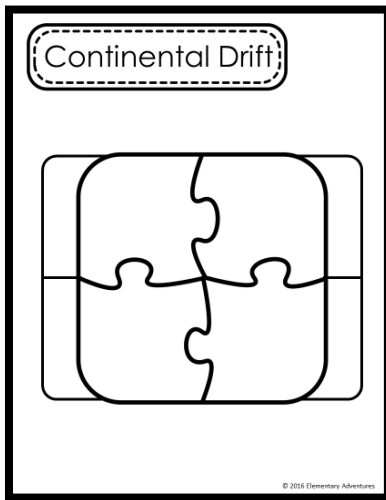
# Slide Notes

## Continental Drift

At the time Wegener could not explain how the continents moved through the sea floor. His theory was rejected until 1950 when scientists discovered molten rock from the mantle spewing up in the ocean basins.



Use these foldables.



On the **Top Right Piece** instruct students to write **Rejected** on the outside. Next, lift the **Top Right Piece** and write why the **Theory** was **Rejected**.

**Rejected** – Alfred Wegener could not explain how the continents moved through the sea floor.

On the **Bottom Right Piece** have students write **1950**. Next, lift the **Bottom Left Piece** and write what happened in **1950** to make scientists accept Wegener's **Theory**.

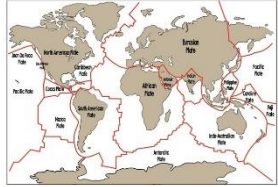
**1950** – Scientists discovered molten rock from the mantle spewing up in the ocean basins.



# Slide Notes

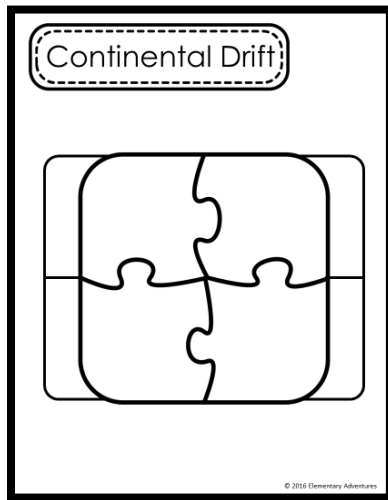
## Continental Drift

This discovery showed scientists that the lithosphere is not a solid shell, but is broken into giant pieces called **tectonic plates**.



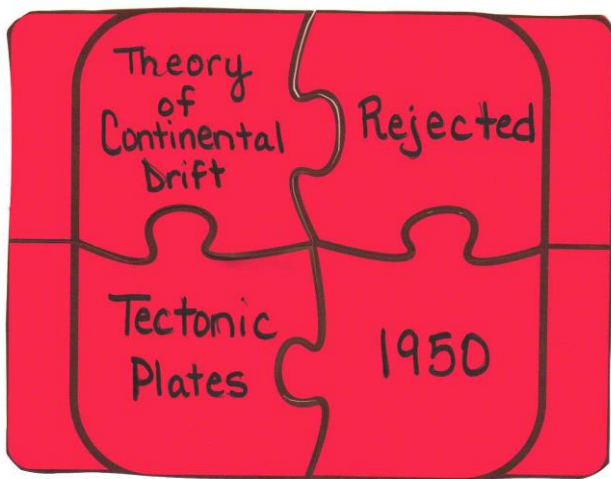
On the **Bottom Left Piece** instruct students to write **Tectonic Plates** on the outside. Next, lift the **Bottom Left Piece** and write the definition of **Tectonic Plates**.  
**Tectonic Plates** – Giant pieces of the lithosphere.

Use these foldables.



# Notebook Example

## Continental Drift



## Continental Drift

Theory that continents are moving slowly across the Earth's surface.

Alfred Wegener could not explain how the continents moved through the sea floor.

Giant pieces of Lithosphere

Scientists discovered molten rock from the mantle spewing up in the ocean basins.

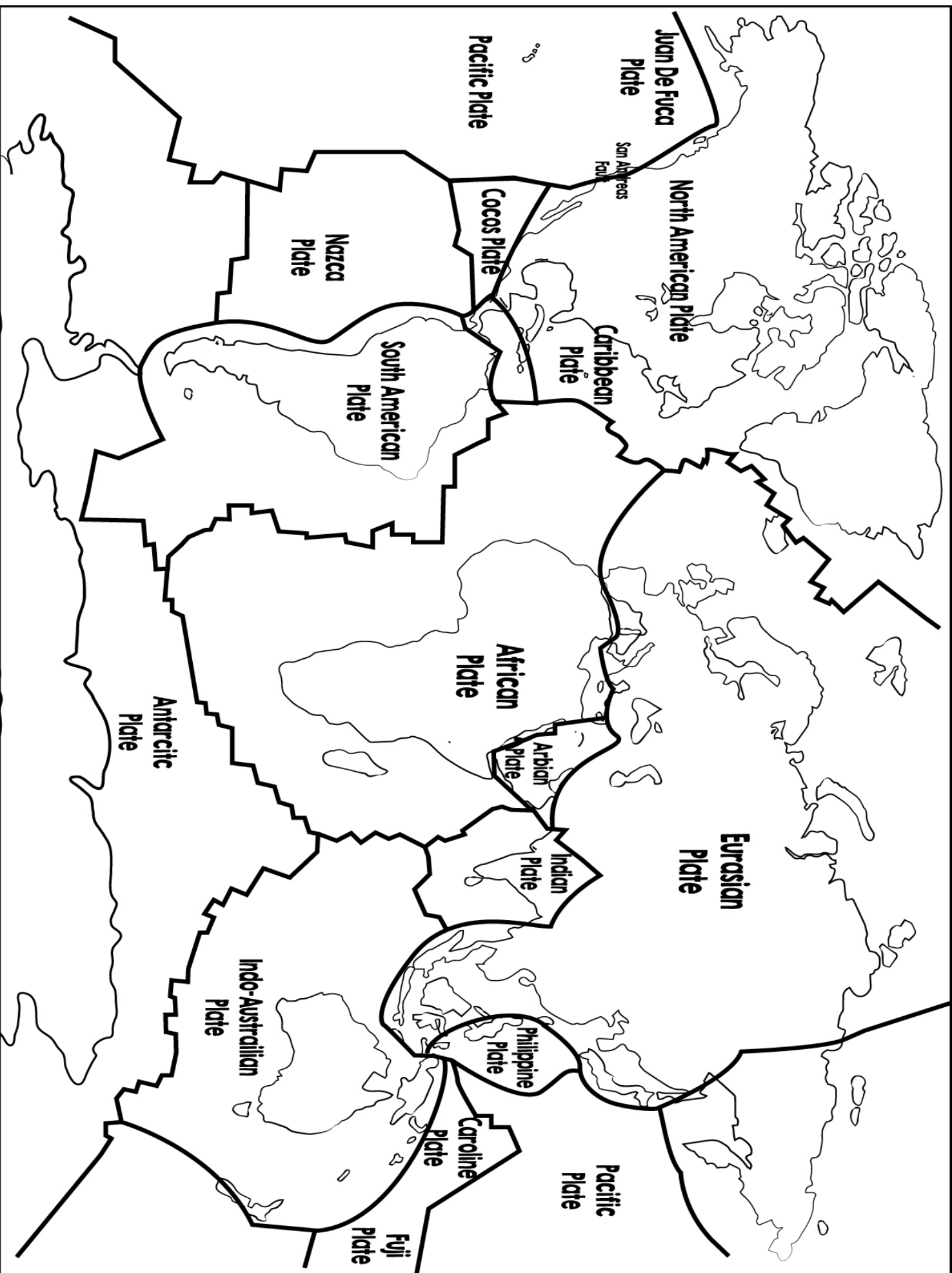
# Activities

## **Continental Drift Dance Break**

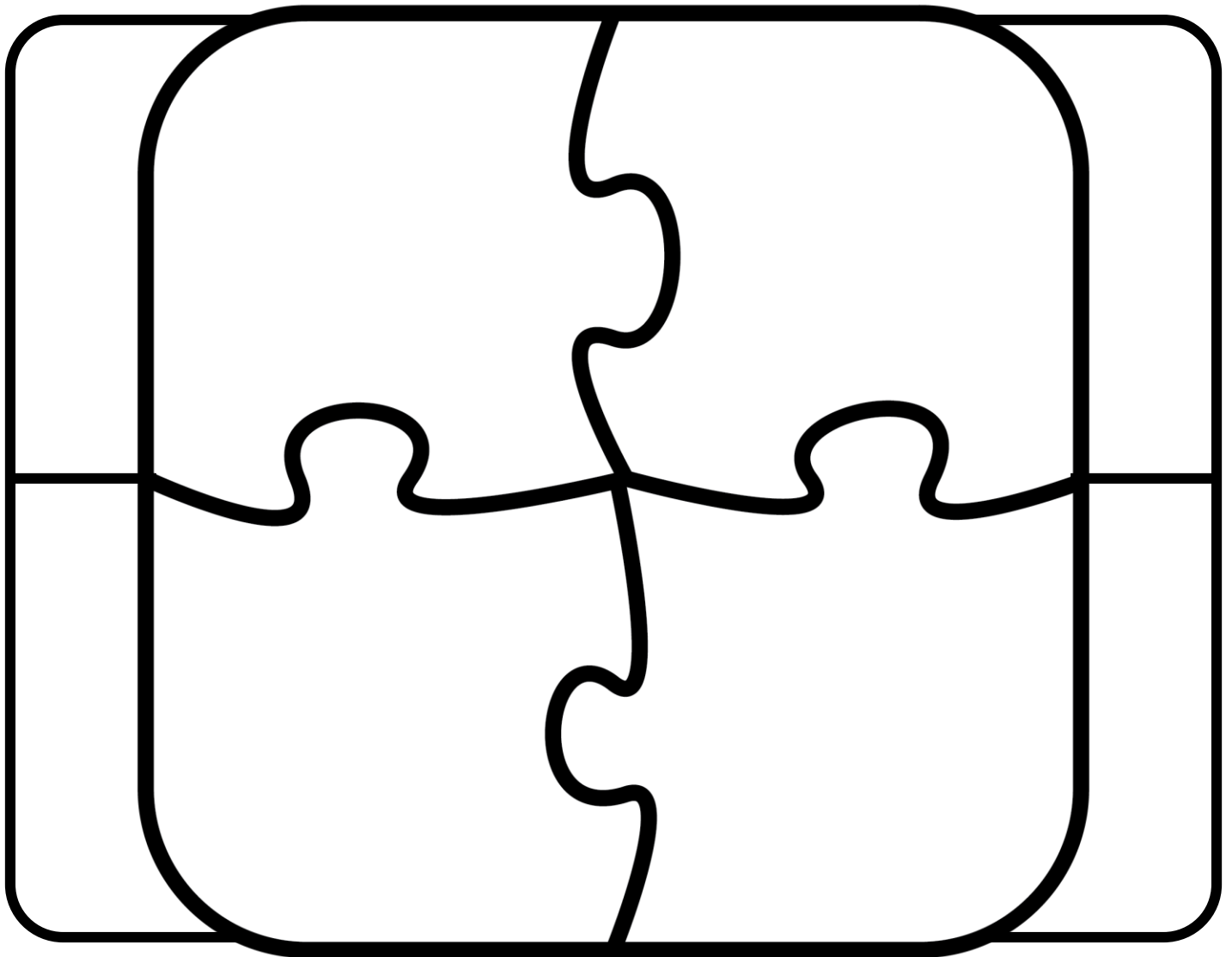
Students can enjoy a few minutes of movement while dancing to the song “Continental Drift” from the movie *Ice Age*. (Also called the Sid Shuffle)

## **Tectonic Plate Puzzle**

Print the puzzle and have students cut out the Tectonic Plates. Place all pieces in a bag. Take the bags and redistribute them among your students. Allow the students to put the puzzle back together.  
(Puzzle on following page.)



# Continental Drift





Name: \_\_\_\_\_

## The Lithosphere

Where is the lithosphere located?

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## Alfred Wegener

Who is Alfred Wegener and what did he discover?

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Name: \_\_\_\_\_

## The Lithosphere

Where is the lithosphere located?

Where the solid upper part of the mantle joins  
with the crust.

## Alfred Wegener

Who is Alfred Wegener and what did he  
discover?

German, meteorologist, geologist

Suggested that the continents were moving  
slowly across the Earth.

Theory of Continental Drift