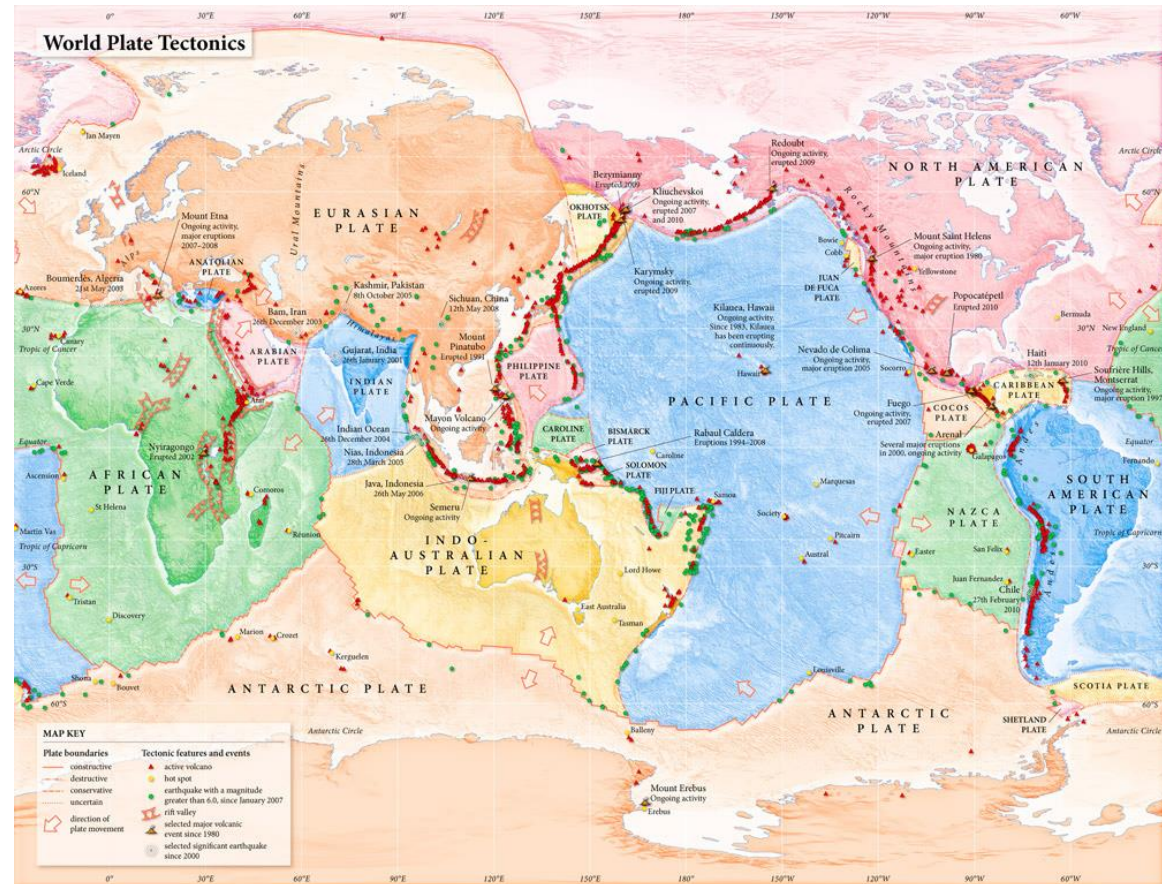


# Plate Tectonics Introduction

Think about all the diverse features of the seafloor, including trenches, mid-ocean ridges and abyssal plains.

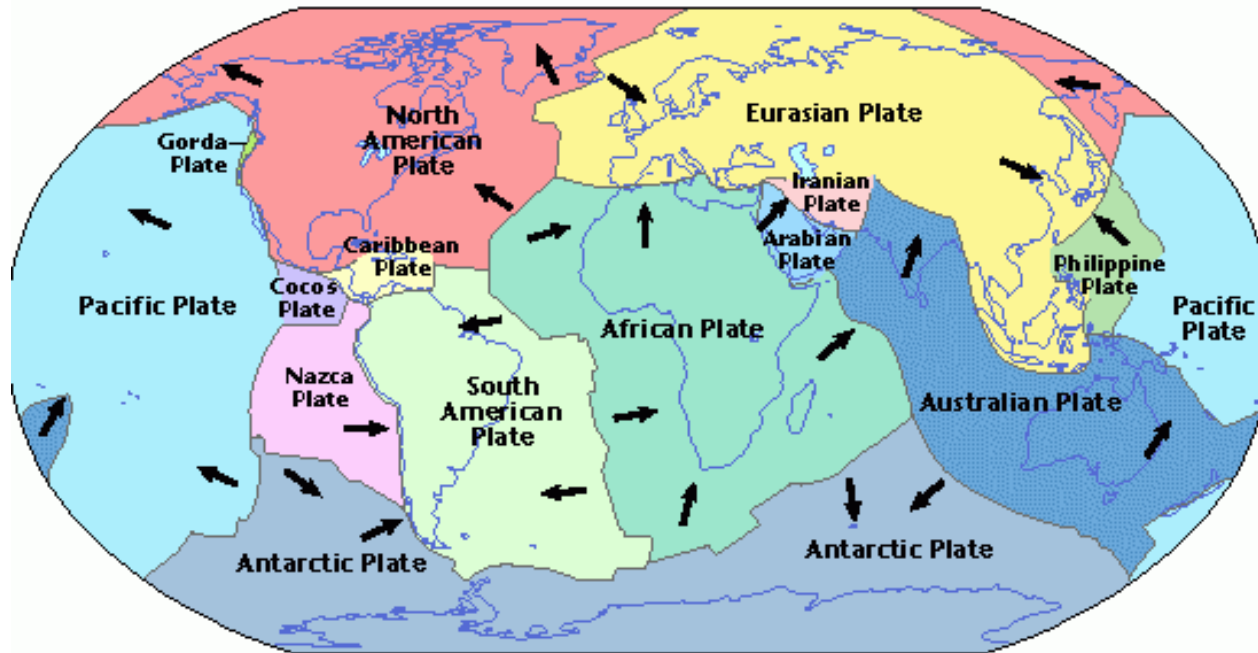
1. How do you think the ocean floor came to be?
2. How do you think features like seamounts, trenches, and mid-ocean ridges form? Be detailed in your response.
3. What is plate tectonics? How do you think it played a role in the formation of the seafloor?



# Plate Tectonics

## Guided Practice

In your groups read “Toward a Unified Theory of Crustal Movements” on pages 116 – 121 in the “Marine Science: The Dynamic Ocean” textbook and answer questions 4 – 6.



# Plate Tectonics

## GP: Evidence for Plate Tectonics

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Your groups will be assigned one of the sets of evidence on pages 123 – 129 in the “Marine Science: The Dynamic Ocean” textbook.

Make a chart (right) and fill in evidence and information you find while researching your topic.

Important Ideas	Relationship to Plate Tectonics

# Plate Tectonics

## Independent Practice

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Make four charts like you made for your team's research. As each of the four groups present their findings on their topic record the information in a chart.

Note: You should have five charts when you finish; one chart you did in your team and four charts from the other 4 teams presentations.

Important Ideas	Relationship to Plate Tectonics