

What do you notice  
about the  
shape of the  
continents?



The background is a light beige color with several thin, white, wavy lines that resemble water or a breeze. There are four stylized clouds: a white one in the top left, a blue one in the top right, a blue one in the middle right, and a white one in the bottom right.

Let's  
review!

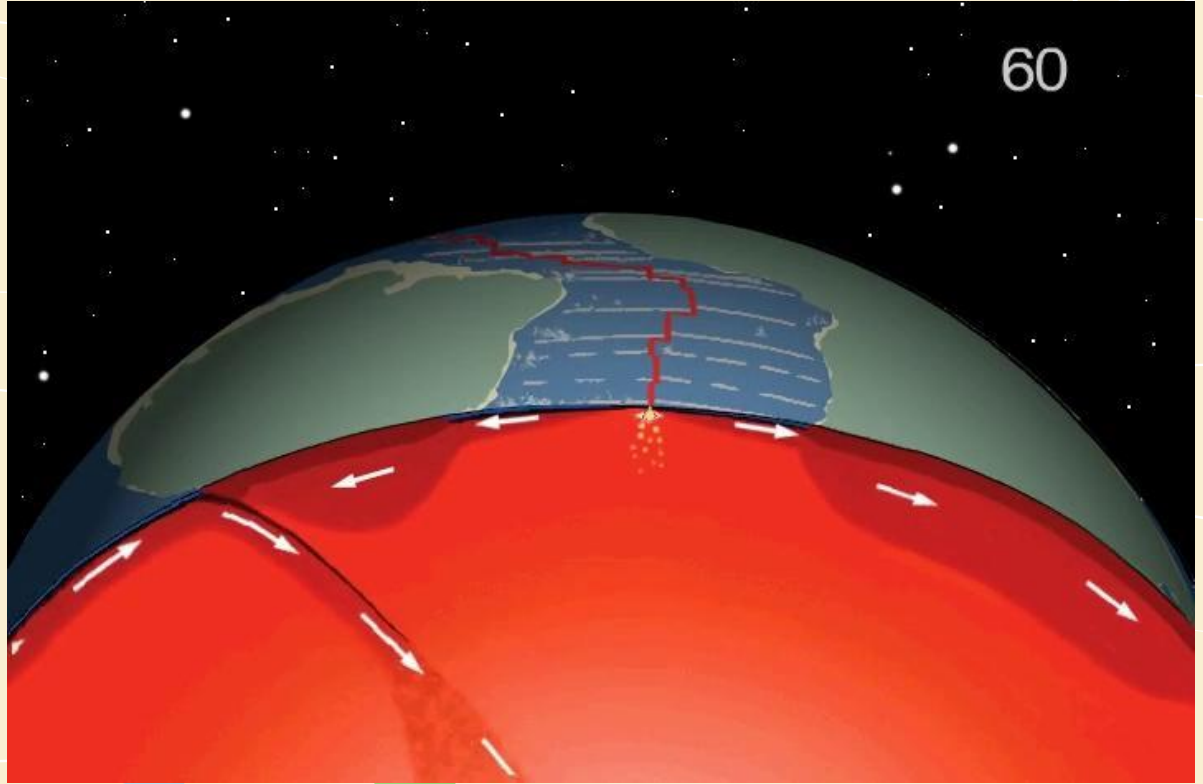


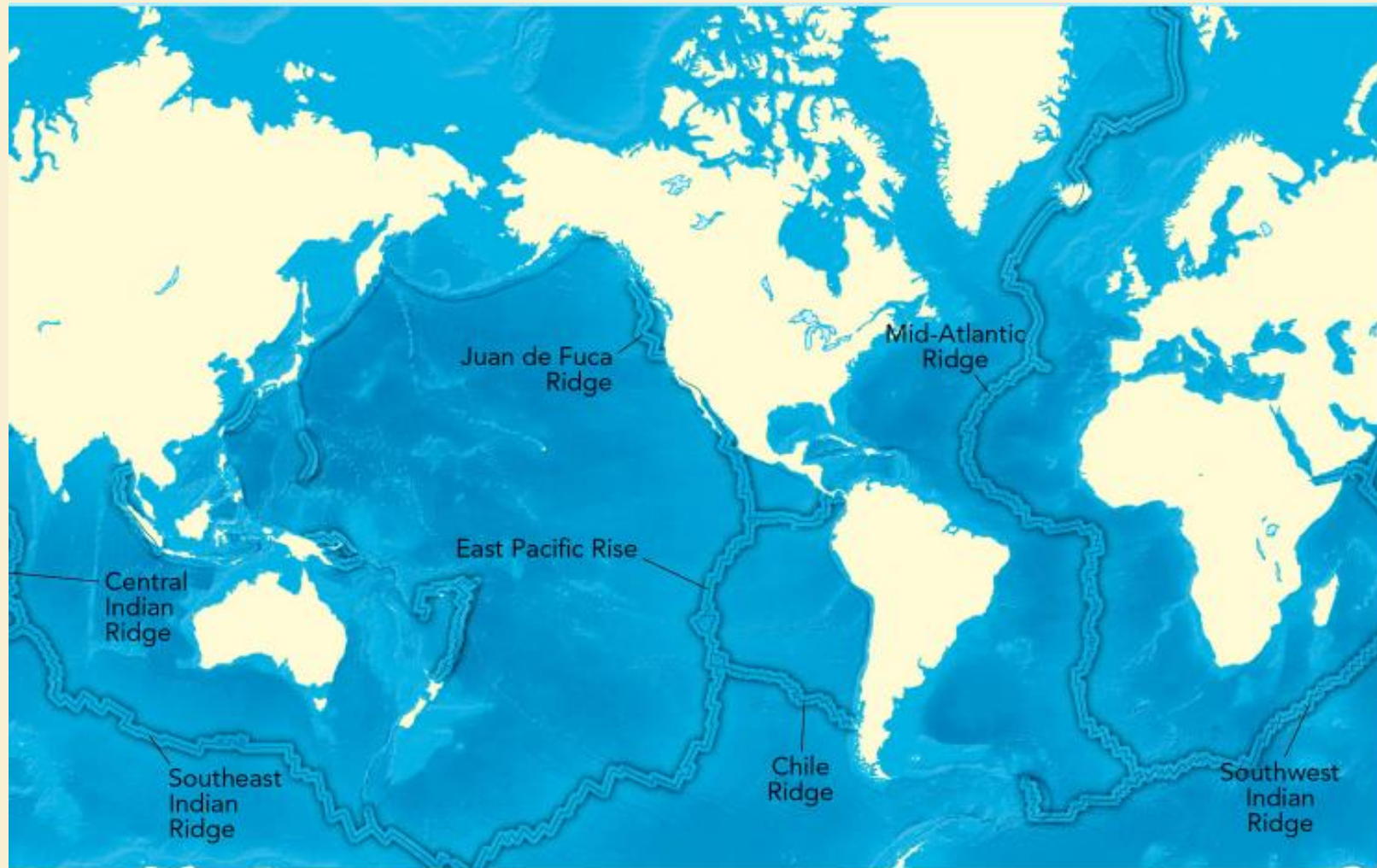
Pangaea

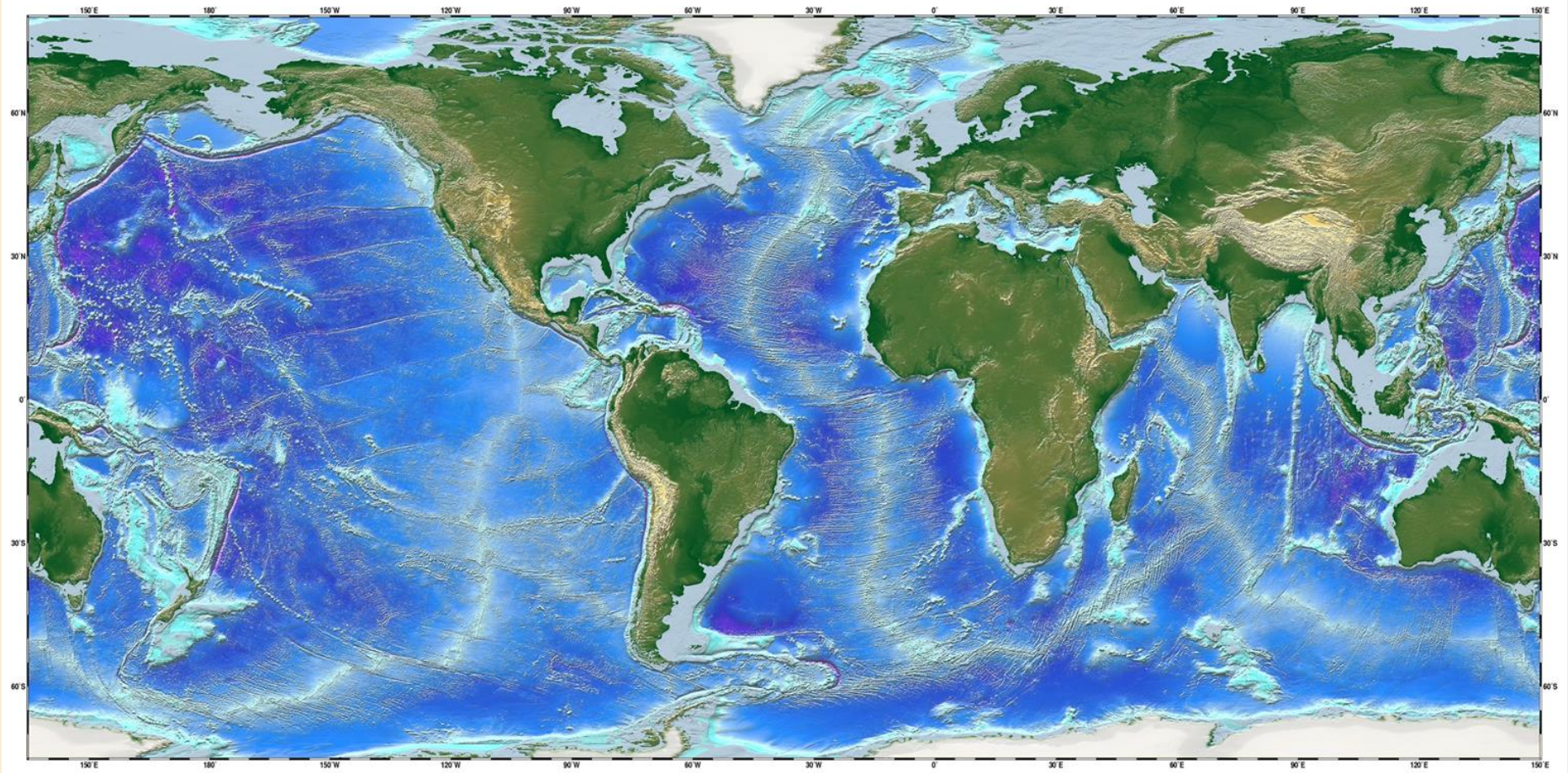




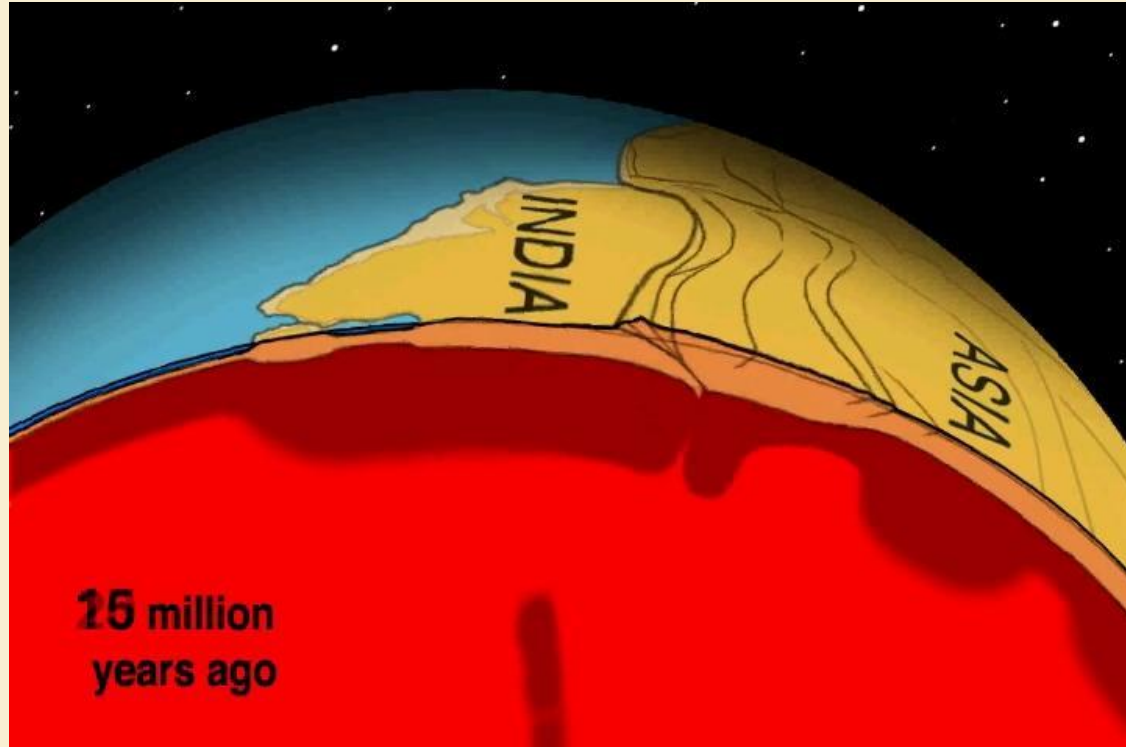
# Movement of Plates



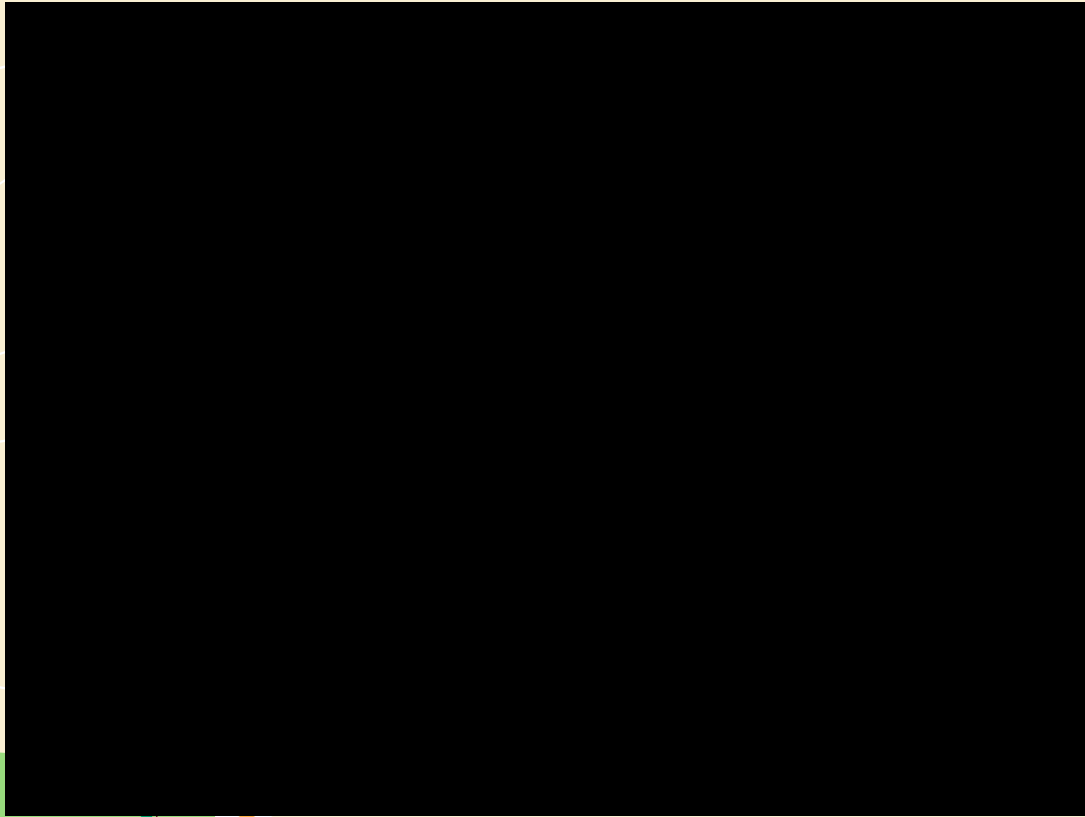




# When Plates Collide

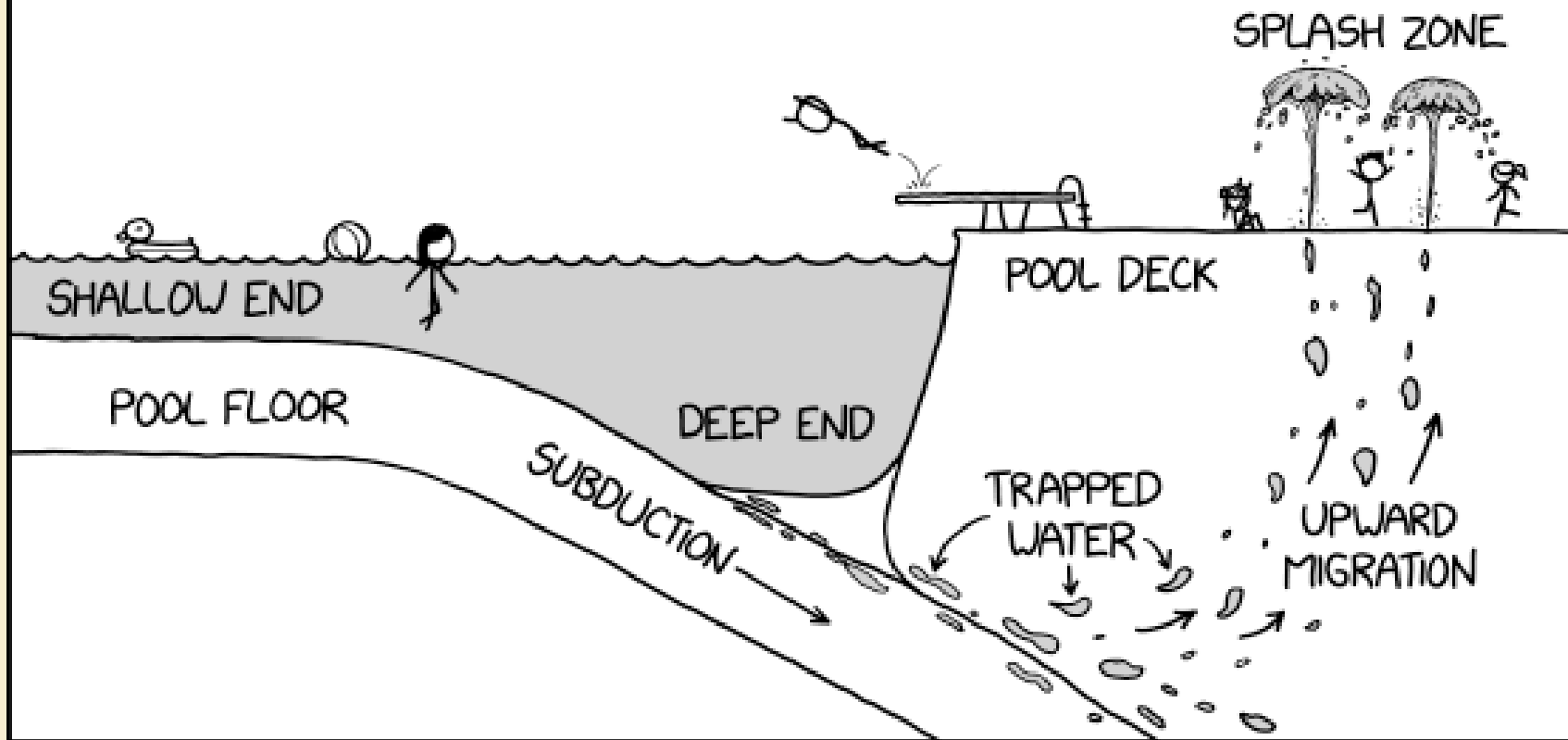


# Subduction

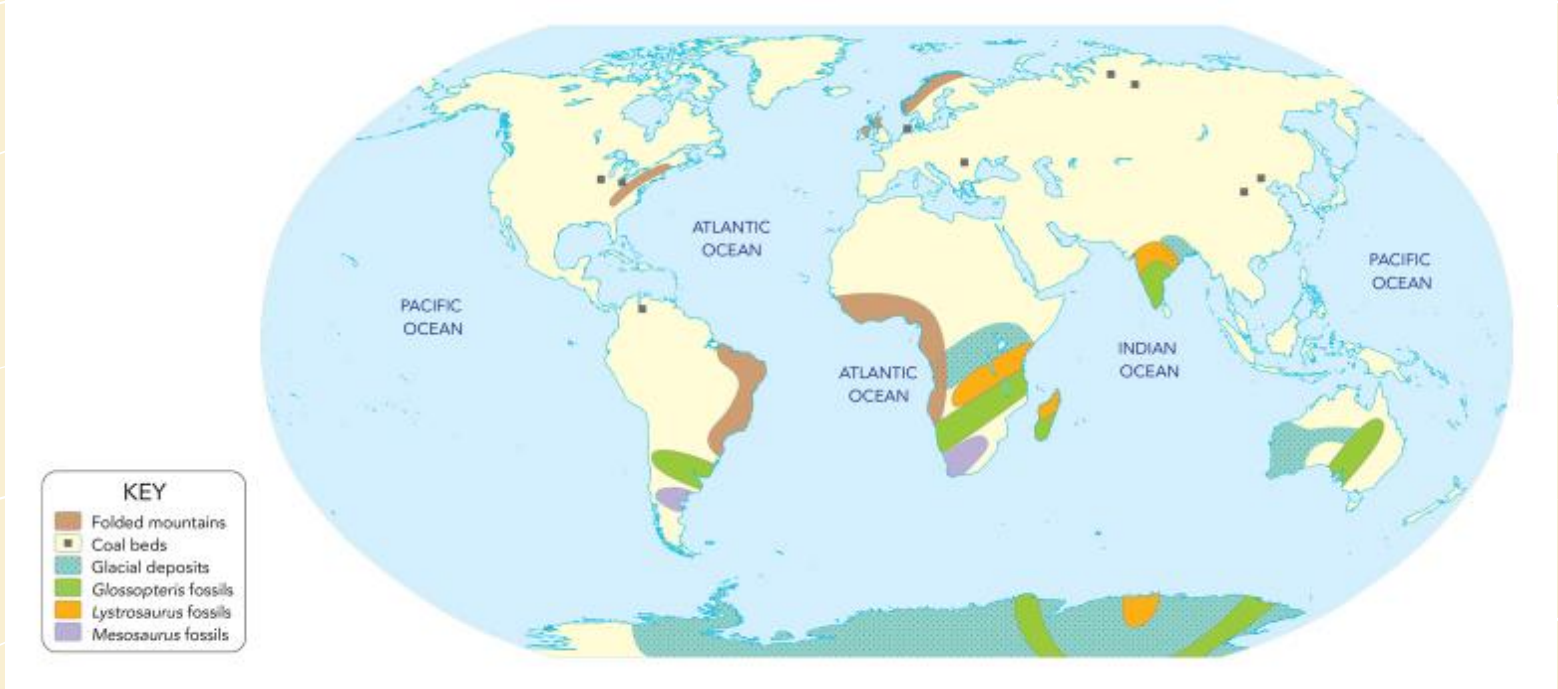




# HOW DEEP ENDS FORM IN POOLS

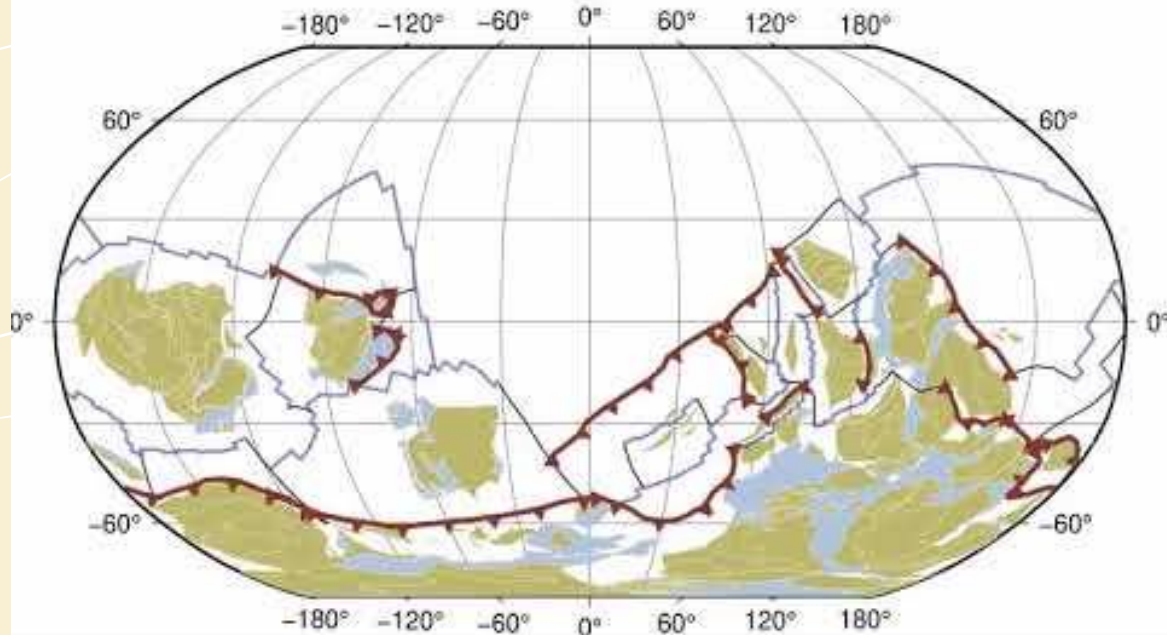


# What evidence is there for this?





528 Ma



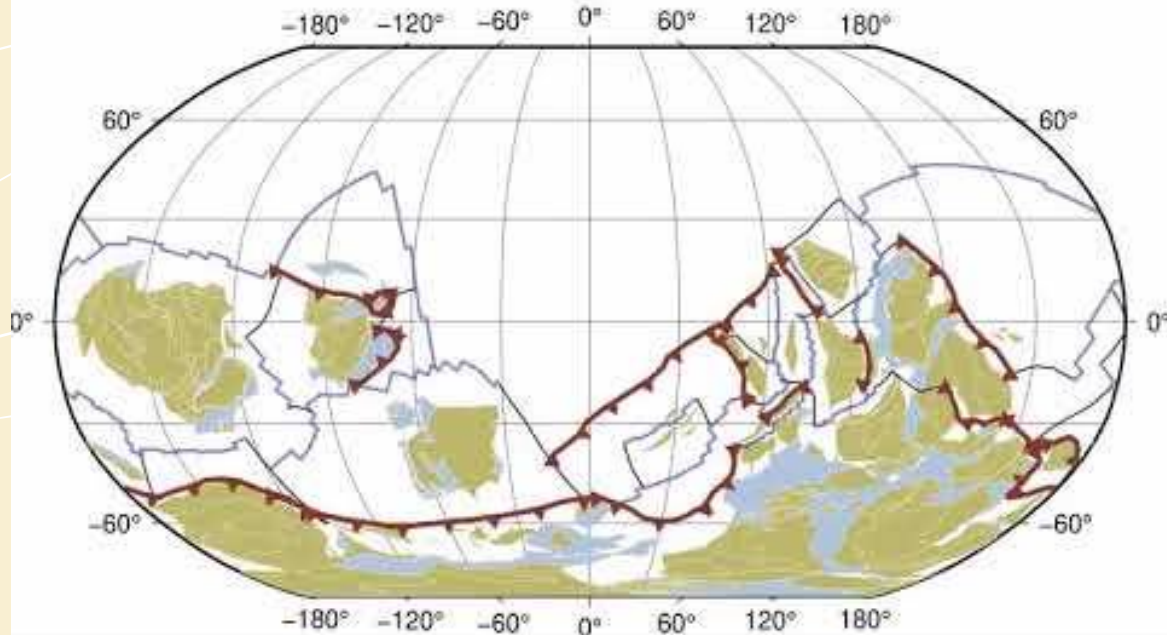
Source



# Review Time!

1. What is the Theory of Continental Drift?
2. What are two pieces of evidence for the theory?
3. What is Pangaea?
4. What is sea-floor spreading?
5. What is subduction?

528 Ma



Source

# Future Supercontinents



Link

The Pacific Ocean  
disappears



Link

Multiple different options



Link

What the climate  
would be like


Now make sure  
predictions of  
your own!



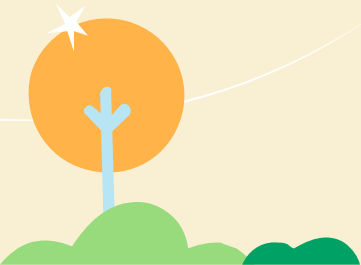




# These are the continents now...



Decide what position they will be in the far future and the answer three questions about your choices.



# Assignment in Google Classroom

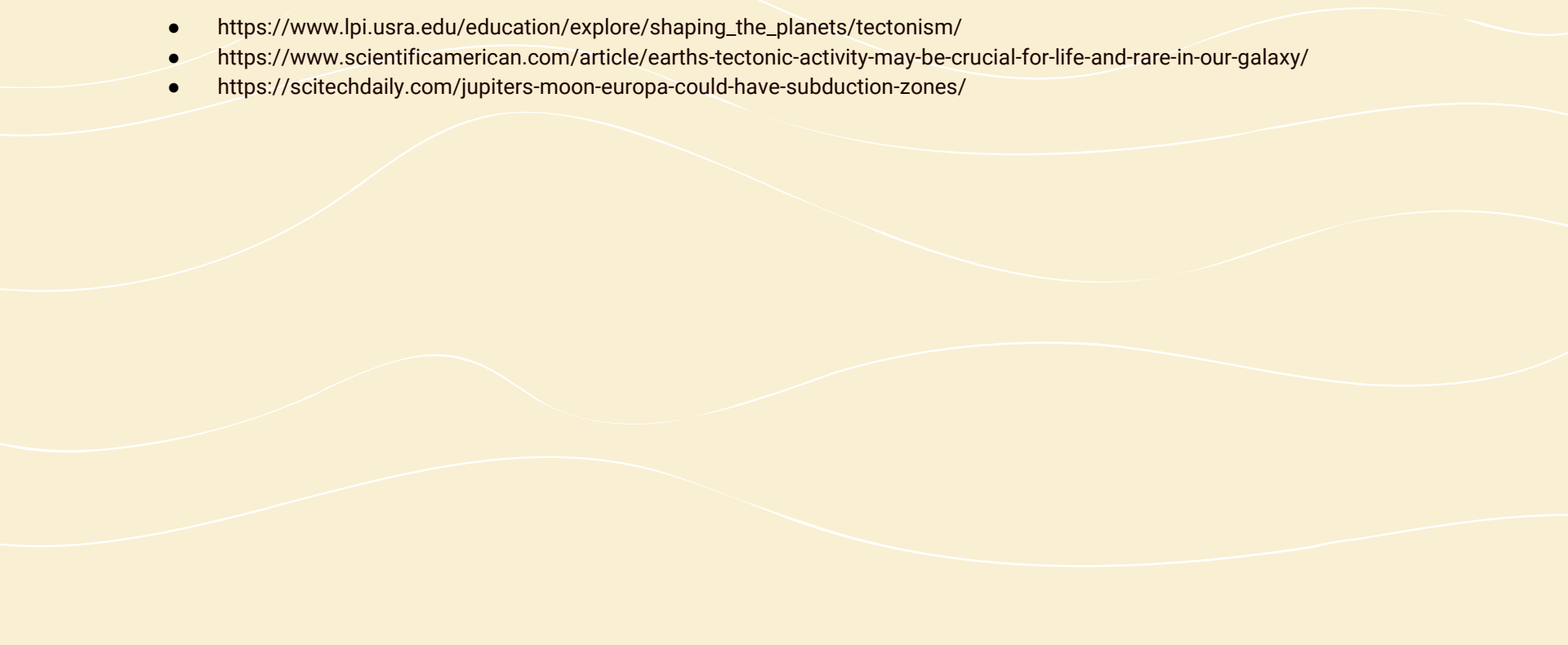
1. Open the Google Drawings
1. Think about what you learned about future supercontinents
1. Decide where you think the continents will end up
1. Move the continents into a supercontinent of your own choosing (they won't line up perfectly but that is okay)
1. Answer the questions to the left and then turn this in!

What questions do you have about this assignment?

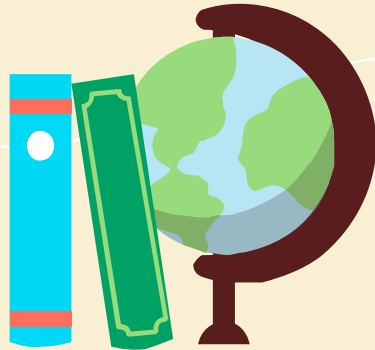
# Done Early



Done early? Check out movement of plates on different bodies in our solar system!

- [https://www.lpi.usra.edu/education/explore/shaping\\_the\\_planets/tectonism/](https://www.lpi.usra.edu/education/explore/shaping_the_planets/tectonism/)
  - <https://www.scientificamerican.com/article/earths-tectonic-activity-may-be-crucial-for-life-and-rare-in-our-galaxy/>
  - <https://scitechdaily.com/jupiters-moon-europa-could-have-subduction-zones/>
- 

What's your  
supercontinent like?

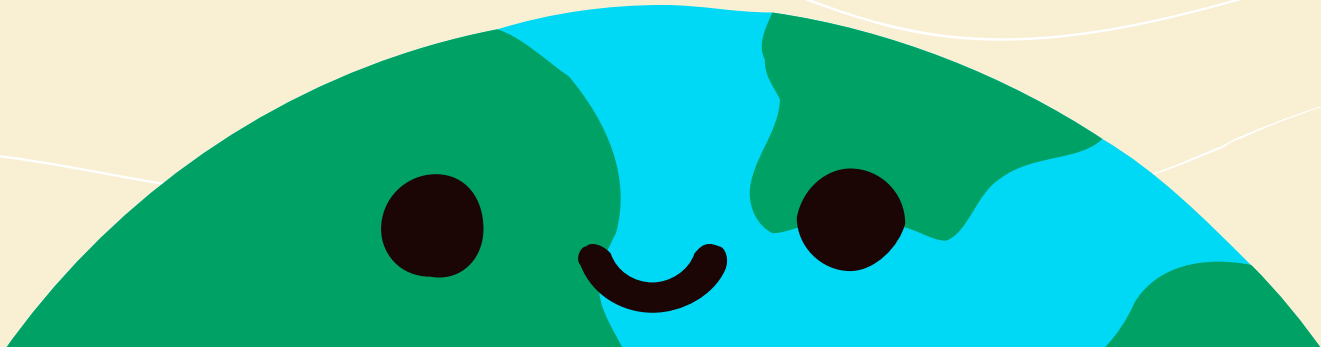




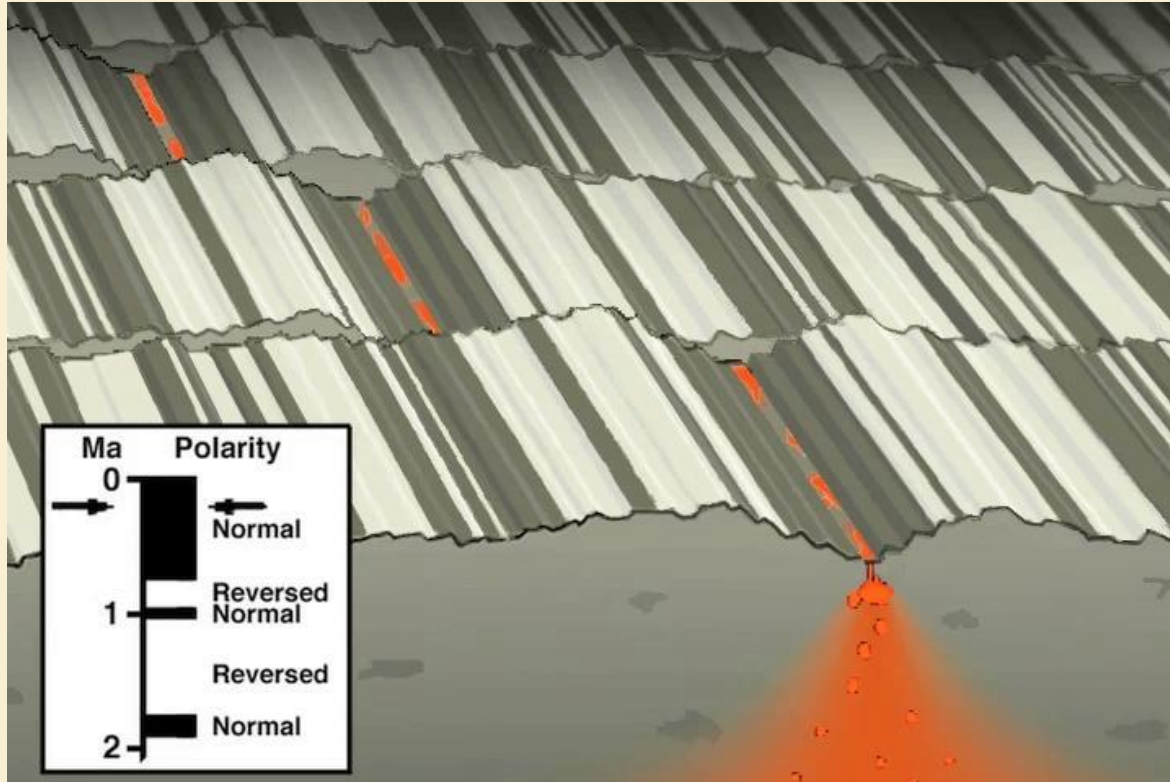
**EARTH'S NEXT  
SUPERCONTINENT**

*SciShow*

So what are your  
thoughts?



# Seafloor Spreading



# Analyze Earth



Now that we know some geology, let's explore the world through the eyes of a geologist!

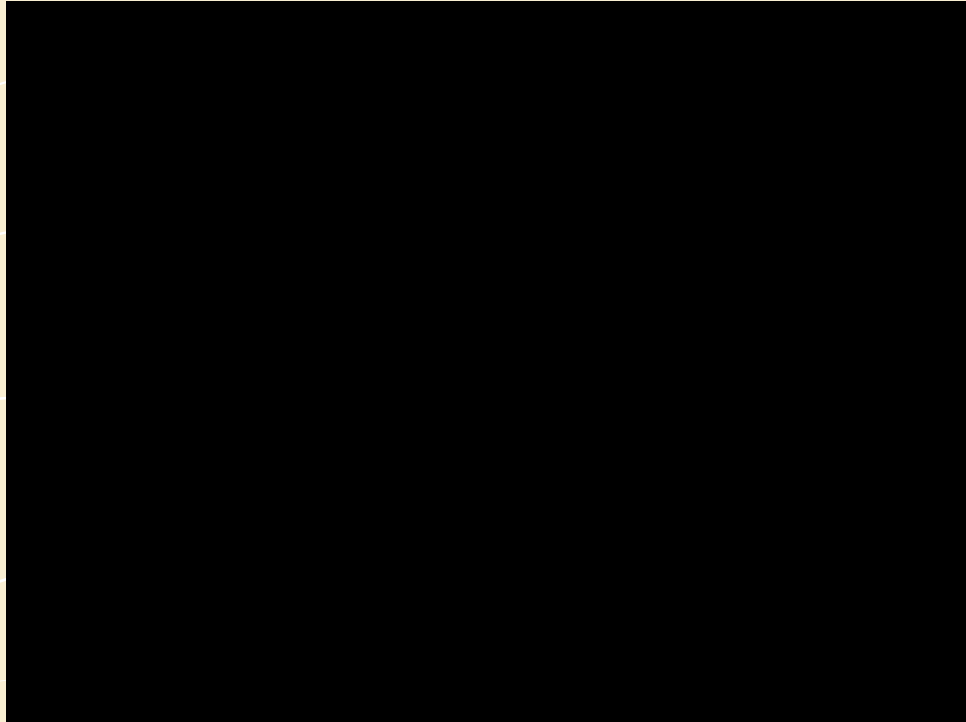
Go to this website (<https://explore.org/livecams/zen-den/northern-lights-cam>) and travel through a number of the webcams looking at the world.

As you are traveling through the sites, think about these things:

- What spheres of Earth are being shown? How are they interacting?
- What topography is being shown? How could we map it?
- Is the water cycle being shown? Defend your answer.
- What layer of the Earth is being shown? How would this scene be different if it was in another layer?
- Are there any minerals being shown? Any rocks? Is a part of the rock cycle being shown?


Done exploring those sites around the world? Then check this site out with a bunch of activities and further learning!  
<https://az.pbslearningmedia.org/student/>





Discovery Education video: The Seafloor is Spreading



The background is a light beige color with several white wavy lines that create a sense of rolling hills or a stylized landscape. There are four stylized clouds: two white ones and two light blue ones, scattered across the scene. At the bottom, there are three red flowers with dark brown stems and green foliage, positioned on the left and right sides.

Marie Tharp  
Google Doodle



Let's investigate  
more!

# Modeling Seafloor Spreading

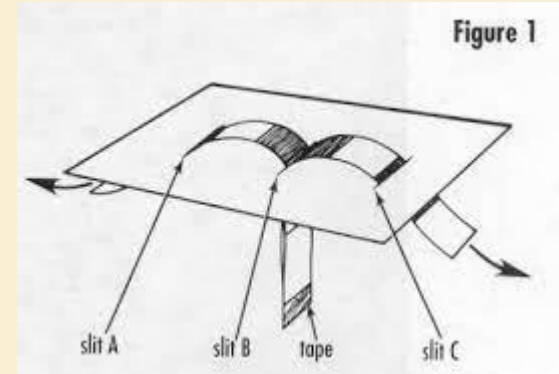
Things to get:

- Two books
- Two pieces of paper
- Two different colored pencils or highlighters

I will wait while you get these items.

1. What do the different colors represent?
2. How could you add to your model to show subduction zones?
3. What is accurate and not accurate about this model?

Want to do a more intense version? Check [this](#) and [this](#) out!



What is seafloor  
spreading and how  
does it affect  
Continental Drift?

