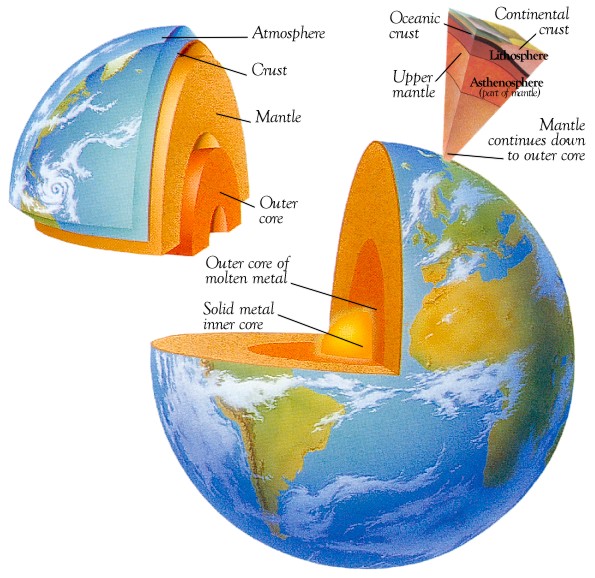
The Physical World  
Seen through Latin America

DIRECTIONS- Use the following notes page to fill in the appropriate information from the in class presentation.

|  |  |  |  |
| --- | --- | --- | --- |
| Think and Hypothesize about the answers to the introductory questions. | | | |
| How was this created? | …and these? | What causes such a change? | What forces cause these conditions? |
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| “The World is a Wonderful & Mysterious Place” - Write down your impressions of the stunning landmarks of Latin America. |
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| Hypothesize - What are the physical forces that shape our planet? |
|  |

  
What is the Earth made of?

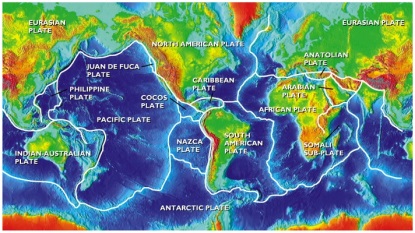
What is the center of the planet? (2 parts: inner & outer)  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the middle layer of the planet? (thickest layer)  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the outer layer of the planet? (thinnest layer)  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A Little Historical Background

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ developed the idea of Continental Drift when he found \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ evidence of the same animal on different continents and a tropical plant \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in a polar zone.  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the theory the continents float over the surface of the planet.  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the name Alfred Wegener gave to the super continent.  
  
Tectonic Plate Theory

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the theory the planet’s outer shell is made up of individual moving plates that are in constant motion. This officially replaced the Continental Drift Theory.  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are the two types of tectonic plates.  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ were the two geologic events used to learn about tectonic plates.  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the area around the Pacific Ocean with the most active volcanic and earthquake activity  
  
How is the surface changed?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the breakdown of earth materials. There are two types:

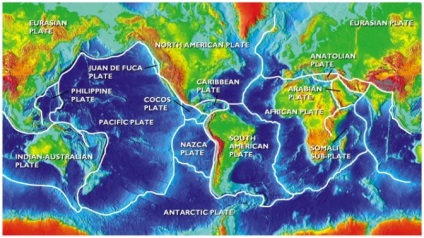
1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which is the physical breakdown of materials.
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which is the chemical breakdown of materials.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the movement of weathered earth materials. This occurs through:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,   
   4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, 5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How does this impact Latin America?

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is two plates moving away from one another. This means South America is moving away from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ along the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on the Atlantic Ocean’s floor.
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is one plate being forced beneath another plate. This means the

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Mountains formed from the Nazca Plate moving below South American Plate.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is when one plate slides past another plate.