

Science Worksheet

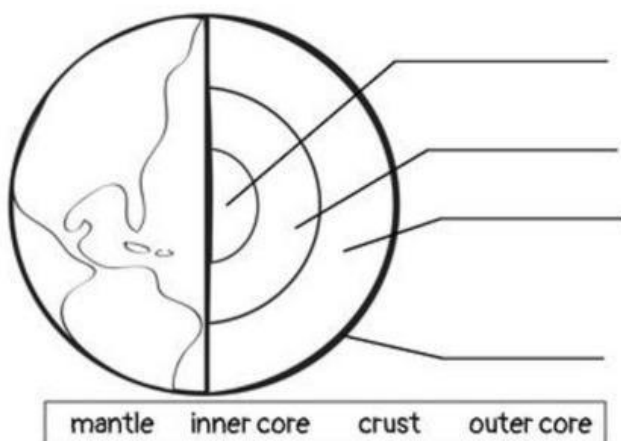
Tectonic Plates and Biodiversity in Ecuador

1. Label the names of the tectonic plates

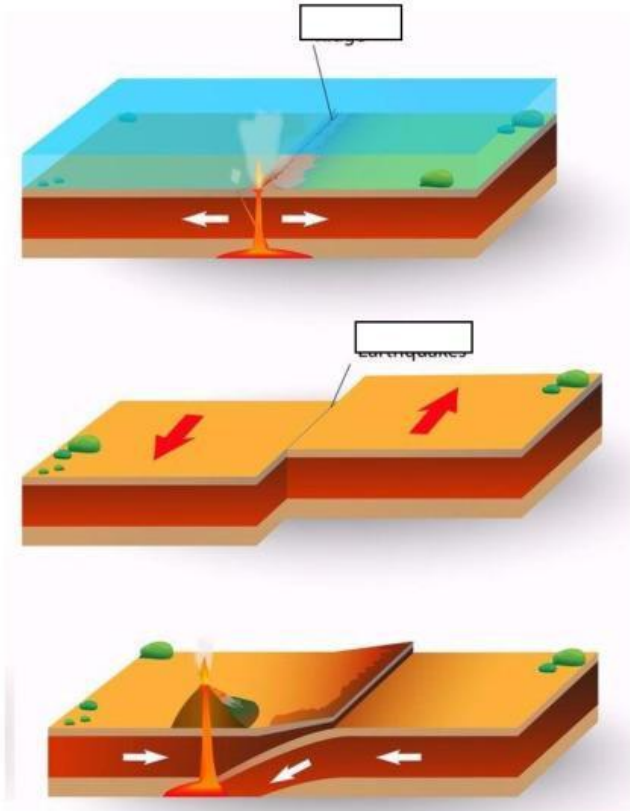


1. African Plate
2. Antarctic Plate
3. Eurasian Plate
4. Indo-Australian Plate
5. North American Plate
6. South American Plate
7. Pacific Plate

2. Label the layers of the Earth and write a characteristic of each one



3. Label the correct name of the boundaries and an example of each one



Tectonic Plates

Multiple Choice

- 1. What layer of the Earth do tectonic plates float on?**
 - A. Inner core
 - B. Crust
 - C. Asthenosphere
 - D. Outer core
- 2. Which type of boundary causes strong earthquakes?**
 - A. Divergent
 - B. Convergent
 - C. Transform
 - D. None
- 3. Oceanic crust is made of:**
 - A. Sial (Silicon + Aluminum)
 - B. Sima (Silicon + Magnesium)
 - C. Iron and Nickel
 - D. Rock and Soil
- 4. How many major tectonic plates are there?**
 - A. 4
 - B. 7

- C. 10
- D. 12

5. What process causes plates to move due to hot magma?

- A. Subduction
- B. GPS tracking
- C. Convection currents
- D. Earthquakes

Matching

Match the boundary type to the plate movement:

- | | |
|---------------|-------------------------------------|
| 1. Convergent | A. Plates move towards each other |
| 2. Divergent | B. Plates move away from each other |
| 3. Transform | C. Plates slide past each other |

Match the layer with its description:

- | | |
|---------------|-----------------------------------|
| 1. Inner core | A. Solid, made of iron and nickel |
| 2. Outer core | B. Liquid iron |
| 3. Mantle | C. Thickest layer, contains magma |
| 4. Crust | D. Thin outer layer where we live |

True or False

- 1. ___ The crust is the thickest layer of the Earth.
- 2. ___ Plates can move 1 to 6 inches per year.
- 3. ___ The Lithosphere is part of both the crust and mantle.
- 4. ___ Transform boundaries form mountains.
- 5. ___ Convection currents are caused by heat from the Earth's core.

Biodiversity in Ecuador

Multiple Choice

1. Which region has the highest tree biodiversity?

- A. Andes Mountains
- B. Pacific Coast
- C. Amazon Rainforest
- D. Galápagos Islands

2. Which animal eats carrion (dead animals)?

- A. Spectacled bear
- B. Blue-footed booby
- C. Andean condor
- D. Coastal dolphin

3. What type of plant lives in salty water and has long roots?

- A. Mangrove
- B. Banana tree
- C. Ceibo
- D. Heliconia

4. What region has animals like marine iguanas and Galápagos penguins?

- A. Amazon
- B. Sierra
- C. Galápagos
- D. Coast

5. What animal eats fruit in the Amazon?

- A. Jaguar
- B. Poison dart frog
- C. Toucan
- D. Condor

Matching

Match the region with a typical plant or animal:

- | | |
|------------------|----------------------------|
| 1. Amazon | A. Ceibo tree, toucan |
| 2. Andes | B. Llama, chuquiragua |
| 3. Pacific Coast | C. Blue crab, banana plant |
| 4. Galápagos | D. Giant tortoise, cactus |

Match the region with its abiotic factors:

- | | |
|--------------|---|
| 1. Amazon | A. Hot, humid, many rivers |
| 2. Andes | B. Cold, high altitude, volcanic soil |
| 3. Coast | C. Warm, wet and dry forests, clay soil |
| 4. Galápagos | D. Volcanic, dry soil, ocean currents |

True or False

- 1. ____ The Amazon Rainforest is cold and dry.
- 2. ____ The condor is found in the Andes Mountains.
- 3. ____ Mangrove trees grow only in freshwater lakes.
- 4. ____ Iguanas and pelicans are found on the coast.
- 5. ____ The Galápagos Islands have both dry and marine ecosystems