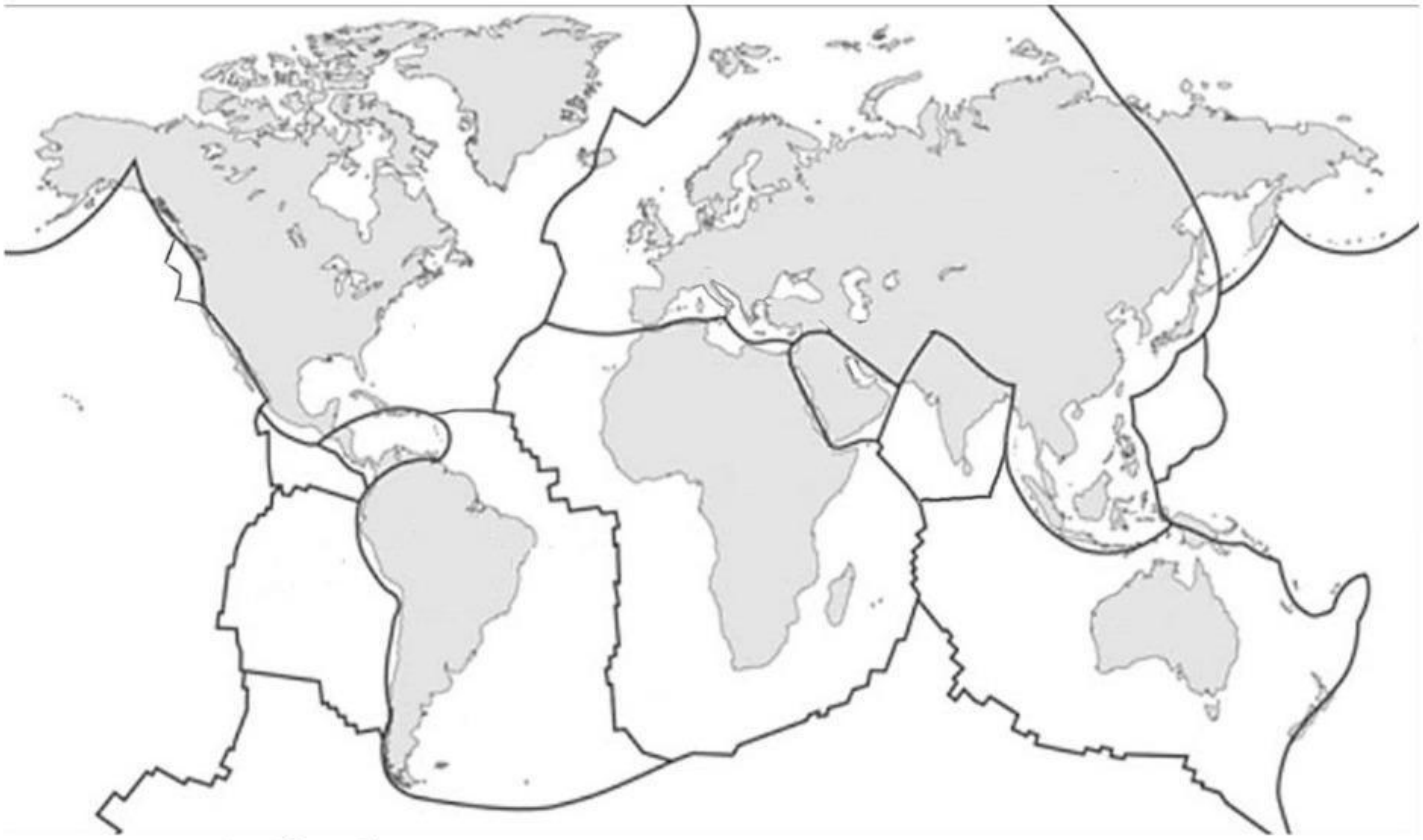
Science Worksheet

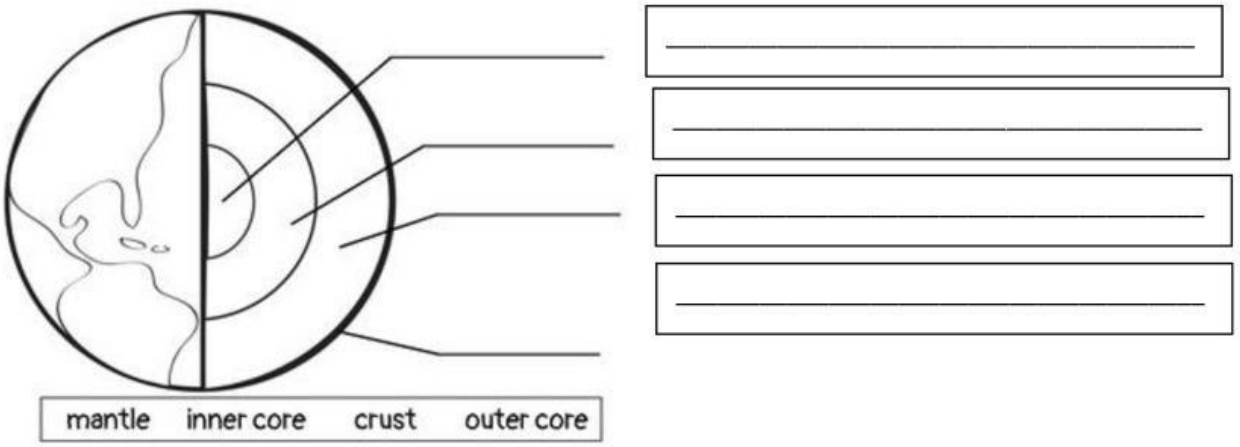
Tectonic Plates and Biodiversity in Ecuador

1. **Label the names of the tectonic plates**

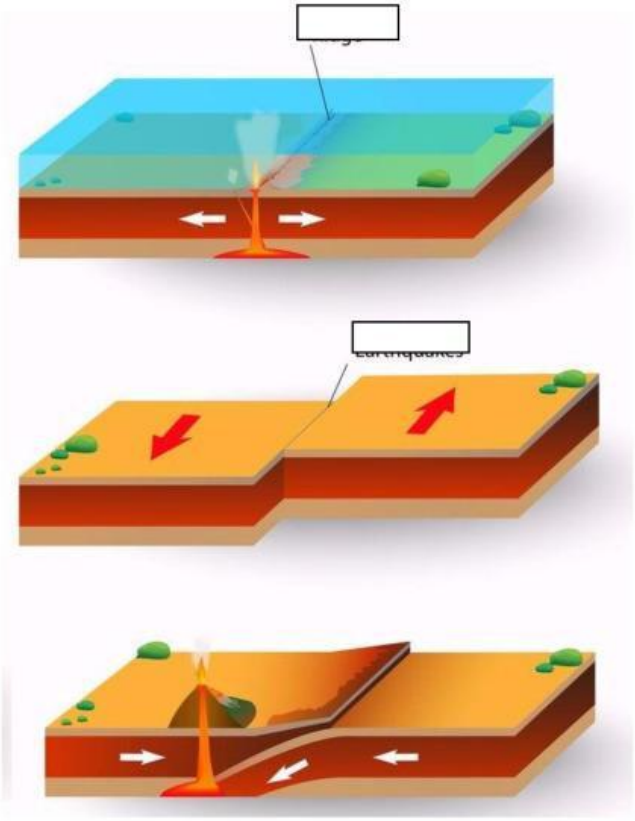


1. African Plate
2. Antarctic Plate
3. Eurasian Plate
4. Indo-Australian Plate
5. North American Plate
6. South American Plate
7. Pacific Plate

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