

Plate Boundary Map

Refer to your plate boundary map and the book to answer the following questions.

1. Is the Atlantic Ocean getting bigger or smaller? How do you know?
2. Where on the seafloor would you expect to find older rock: near the middle of the Atlantic Ocean or close to the coast of North America? Why?
3. Name the 4 plates that don't carry a continent or part of a continent on them.
4. Why is the island country of Iceland growing wider each year?
5. What geological features might you expect to find along the west coast of South America?
6. Where are most divergent plate boundaries found?
7. Place the following lithospheric plate boundaries in order from most frequent to least frequent in the world: transform boundary, divergent boundary, convergent boundary
8. The eastern edge of the Pacific plate is moving away from the Nazca plate. What type of plate boundary is this? What land/seafloor features can be found at this boundary?
9. The western edge of the Pacific plate is moving toward the Eurasian plate. What type of plate boundary occurs where these two plates meet? What land/seafloor features can be found at this boundary?
10. The boundary that extends through California is the same as in New Zealand. Locate New Zealand. Which two plates slide past each other?
11. There is only one place that a spreading zone is exposed upon land. Locate this site. Compare it with a world map. What country is this? What is happening to the size of the country?
12. Where does the energy for plate tectonics come from?