

Name _____
Worksheet: Topic 5B Plate Tectonics

Earth Science

Use your reference tables and your knowledge of Earth Science to answer the following questions.

1. What type of plate boundary forms the Mid-Atlantic ridge?
2. Name four different ridges that form similarly to the Mid-Atlantic ridge.
3. What direction are the Canary Islands moving?
4. What is a hot spot?
5. Name 5 hot spots?
6. Explain how a chain of volcanic islands like the Hawaiian Islands form?
7. Name one location where divergent plate boundaries are forming on a continent.
8. Over time what do you think will happen in the area named in question 7?
9. What type of structures do you think are present at the boundary between the Juan de Fuca Plate and the North American Plate? Draw a profile (side view) of this type of boundary. See your book or notes for help.

10. What do you think will eventually happen to the Sandwich plate? Explain fully.

11. What direction is Southern California moving and what major geologic feature is found there?

12. Why does a trench form at the Nazca Plate and South American Plate boundary?

13. Name 3 other trenches and describe what they have in common?

14. What is the approximate latitude and longitude of the Caribbean Plate?

15. The Middle East is a tectonically active area. What two plates are bordering each other there and what kind of boundary is it?

16. What is the approximate latitude and longitude of the Fiji Plate?

