Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_ 4.2 Identifying Plate Boundaries

This class work will provide practice on identifying plate boundaries. Fill in the tables below with the appropriate information. Then answer the questions detailing the information about each plate boundary.

|  |  |  |
| --- | --- | --- |
| **Name of Trench** | **Name of Overriding Plate** | **Name of Subducting Plate** |
| 1. Peru-Chile Trench |  |  |
| 2. Aleutian Trench |  |  |
| 3. Tonga Trench |  |  |
| 4. Mariana Trench |  |  |

5. Describe the motion of plates at convergent boundaries. What is subduction?

6. Describe the effect of convergent boundaries on the lithosphere.

7. Name two of the possible landforms from convergent boundaries.

|  |  |  |
| --- | --- | --- |
| **Name of Ridge** | **Name of the Diverging Plates** | |
| 8. Mid-Atlantic Ridge (North) |  |  |
| 9. Mid-Atlantic Ridge (South) |  |  |
| 10. East Pacific Ridge |  |  |
| 11. Southeast Indian Ridge |  |  |
| 12. Southwest Indian Ridge |  |  |
| 13. Mid- Indian Ridge |  |  |

14. Describe the motion of plates at divergent boundaries.

15. Describe the effect of divergent boundaries on the lithosphere.

16. Name two of the possible landforms from divergent boundaries.

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|  | **Name of the Sliding Plates** | |
| 17. San Andres Fault |  |  |

18. Describe the motion of plates at divergent boundaries.

19. Describe the effect of divergent boundaries on the lithosphere.

20. Name two of the possible landforms from divergent boundaries.

Identify the type of plate boundary at each of the following coordinates.

|  |  |  |
| --- | --- | --- |
| **Latitude** | **Longitude** | **Type of Plate Boundary** |
| 50 S | 30 E | 21. |
| 40 N | 20 W | 22. |
| 0 | 30 E | 23. |
| 70 N | 140 E | 24. |
| 45 N | 150 E | 25. |