Lithosphere Study Guide

Illustrate the following terms and label everything in your diagram:

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| --- | --- | --- |
| Layers of the earth. Give a brief description of each one in your diagram. | | |
| Divergent Boundary  Landforms at this type of boundary: | Convergent boundary  Landforms at this type of boundary (include continental-continental, cont-oceanic and oceanic-oceanic): | Transverse Boundary  Landforms at this type of boundary: |

Answer the following questions:

1. What causes some plates to be subducted under others?

Vocabulary:

Explain each term in your own words:

Word Definition

|  |  |
| --- | --- |
| Convection current |  |
| Continental Drift |  |
| Pangaea |  |
| Sea Floor Spreading |  |
| Theory of Plate Tectonics |  |
| Mid-ocean ridge |  |
| Primary waves |  |
| Secondary Waves |  |
| Surface (L) waves |  |

Answer the following questions:

1. Explain how Henry Hess discovered sea-floor spreading.
2. What evidence is there that Pangaea existed?
3. Explain the process of sea-floor spreading.