**Ch. 5 L.1 Incomplete Notes:** 5-3.2 Illustrate the geologic landforms of the ocean floor (including the continental shelf and slope, the mid-ocean ridge, rift zone, trench, and the ocean basin).

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| **Comparing Landforms on Land and in the Ocean** |
| **Description** | **Continent** | **Ocean** |
| Low land between hills or mountains |  |  |
| Deep valley with high steep sides |  |  |
| An opening in the surface from which lava flows |  |  |
| Land which rises high above the ground |  |  |
| Wide, flat areas of land |  |  |

 **2. What is the continental shelf?**

The continental shelf is the edge of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that is underwater. It is relatively \_\_\_\_\_\_\_\_\_\_\_ compared to the rest of the ocean.

**3. What is the continental slope?**

The continental slope is where the continental shelf \_\_\_\_\_\_\_\_ quickly to the bottom of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, like a cliff on the side of a hill.

**4. What is the mid-ocean ridge?**

The mid-ocean ridge is a range of underwater volcanic \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that splits the ocean floor into two parts. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are underwater volcanic mountains not on the mid-ocean ridge.

**5. What is the rift zone?**

The rift zone is an underwater \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the middle of the mid-ocean ridge. This is where the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are pulling away from each other and volcanic mountains are being added.

**6. What are the trenches?**

Trenches are steep \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the bottom of the ocean basins. They are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ part of the ocean basin.

**7. What is the ocean basin?**

The ocean basin is on both sides of the mid-ocean ridge and is mostly flat \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with some low hills. The flat part is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ plain. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are formed here.

**Ch. 5 L.1 Incomplete Notes:** 5-3.2 Illustrate the geologic landforms of the ocean floor (including the continental shelf and slope, the mid-ocean ridge, rift zone, trench, and the ocean basin).

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 **2. What is the continental shelf?**

The continental shelf is the edge of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that is underwater. It is relatively \_\_\_\_\_\_\_\_\_\_\_ compared to the rest of the ocean.

**3. What is the continental slope?**

The continental slope is where the continental shelf \_\_\_\_\_\_\_\_ quickly to the bottom of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, like a cliff on the side of a hill.

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Trenches are steep \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the bottom of the ocean basins. They are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ part of the ocean basin.

**7. What is the ocean basin?**

The ocean basin is on both sides of the mid-ocean ridge and is mostly flat \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with some low hills. The flat part is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ plain. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are formed here.

**Ch. 5 L.1 Incomplete Notes:** 5-3.2 Illustrate the geologic landforms of the ocean floor (including the continental shelf and slope, the mid-ocean ridge, rift zone, trench, and the ocean basin).

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| **Comparing Landforms on Land and in the Ocean** |
| **Description** | **Continent** | **Ocean** |
| Low land between hills or mountains | valley | Rift |
| Deep valley with high steep sides | Canyon | trench |
| An opening in the surface from which lava flows | volcano | Seamount and volcanic islands |
| Land which rises high above the ground | Mountain range | Mid-ocean ridge |
| Wide, flat areas of land | plains | Abyssal plains |

 **2. What is the continental shelf?**

The continental shelf is the edge of the continent that is underwater. It is relatively shallow compared to the rest of the ocean.

**3. What is the continental slope?**

The continental slope is where the continental shelf drops quickly to the bottom of the ocean, like a cliff on the side of a hill.

**4. What is the mid-ocean ridge?**

The mid-ocean ridge is a range of underwater volcanic mountains that splits the ocean floor into two parts. Seamounts are underwater volcanic mountains not on the mid-ocean ridge.

**5. What is the rift zone?**

The rift zone is an underwater valley in the middle of the mid-ocean ridge. This is where the plates are pulling away from each other and volcanic mountains are being added.

**6. What are the trenches?**

Trenches are steep canyons in the bottom of the ocean basins. They are the deepest part of the ocean basin.

**7. What is the ocean basin?**

The ocean basin is on both sides of the mid-ocean ridge and is mostly flat plains with some low hills. The flat part is called the abyssal plain. Seamounts are formed here.