

Name _____

Oceanic Carbon Captains: The Role of Oceans in the Global Carbon Cycle

Short Answer

1. Explain how the biological pump operates in the ocean's carbon cycle.
2. How does ocean upwelling contribute to the exchange of carbon between the ocean and the atmosphere?
3. Describe the significance of marine artist Ernst Haeckel's artwork in promoting an understanding of the role of marine organisms in the carbon cycle.
4. What are the potential consequences of a disrupted global carbon cycle for Earth's climate?
5. Provide an example of a carbon-containing substance commonly found in oceans and explain its role in the carbon cycle.

