

Name _____

The Coral Triangle: Where the Ocean Comes Alive

Open-Ended Response Answer Key

1. The Coral Triangle's biodiversity is significant because it serves as a genetic reservoir for marine species, supporting the health of the world's oceans. Its diverse ecosystems also contribute to fisheries, making it vital for food security in the region and beyond.
2. As a marine biologist studying the Coral Triangle, one might spend days underwater conducting research on coral reefs and marine life, studying their behaviors and interactions. Discoveries may include new species, behaviors, or insights into the adaptation of marine life to changing environments.
3. Climate change can have a devastating impact on the Coral Triangle's coral reefs. It can lead to coral bleaching, where corals lose their color and become vulnerable to disease. This can disrupt the entire ecosystem, affecting the fish and other species that rely on the reefs.
4. Humans have a responsibility to conserve and protect the Coral Triangle for future generations. Actions that can be taken include supporting sustainable fishing practices, reducing pollution, and raising awareness about the importance of marine conservation. Conservation efforts can help ensure that the Coral Triangle continues to thrive and enchant generations to come.

