

Name \_\_\_\_\_

## The Oceanic Orchestra: How Oceans Regulate Earth's Climate

### Short Answer Key

1. Oceans act as heat sinks by absorbing heat from the sun and stabilizing global temperatures through heat redistribution.
2. Oceans absorb carbon dioxide from the atmosphere through a process called dissolution, storing it in the form of dissolved carbonates.
3. Ocean currents can influence climate and weather by transporting warm or cold water, impacting temperature and moisture levels in coastal regions.
4. Wyland's main message through his art is the importance of preserving ocean ecosystems and their role in climate regulation. His art raises awareness by showcasing their beauty and the need for conservation.
5. An example of a climate or weather phenomenon influenced by ocean currents is El Niño, which affects temperature and precipitation patterns in various regions.

