

Name _____

The Oceanic Carbon Pump: Nature's Hidden Carbon Cleaner

Multiple Choice Questions

1. What is the primary role of the Oceanic Carbon Pump?
 - a. To cool down the oceans
 - b. To trap heat in the atmosphere
 - c. To remove excess carbon dioxide from the atmosphere
 - d. To make marine creatures grow faster

2. What is the first stage of the Oceanic Carbon Pump?
 - a. The Twilight Zone
 - b. The Deep Ocean
 - c. The Surface Ocean
 - d. The Seafloor

3. What happens to carbon dioxide when it dissolves into the surface ocean?
 - a. It is released back into the atmosphere.
 - b. It sinks to the seafloor.
 - c. It is absorbed by phytoplankton during photosynthesis.
 - d. It turns into solid carbon crystals.

4. Where does most of the sinking organic matter end up in the Oceanic Carbon Pump?
 - a. In the Twilight Zone
 - b. On the seafloor
 - c. In the Deep Ocean
 - d. Back on the ocean's surface

5. Why is the Oceanic Carbon Pump important for our planet?
 - a. It causes extreme weather events.
 - b. It traps excess CO₂ in the atmosphere.
 - c. It regulates Earth's temperature and prevents climate change.
 - d. It makes the oceans colder.

