

Ocean Currents Quiz PDF

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Describe the role of ocean currents in regulating global climate.

How do changes in temperature and salinity drive deep ocean currents?

Discuss the potential effects of El Niño on global weather patterns.

What are the consequences of altered ocean currents due to climate change?

How do ocean currents impact marine life and ecosystems?

Which of the following are methods used to study ocean currents? (Select all that apply)

- Satellite tracking
- Underwater vehicles
- Echo sounding
- Buoy data collection

Explain how the Coriolis Effect influences ocean currents.

Which phenomenon is characterized by a warming of the Pacific Ocean?

- La Niña
- El Niño
- Gulf Stream
- Kuroshio Current

Which of the following is a cold ocean current?

- Gulf Stream
- Kuroshio Current
- California Current
- North Atlantic Drift

What effect causes the deflection of ocean currents due to Earth's rotation?

- Gravitational pull
- Coriolis Effect
- tidal forces
- Continental deflection

What is the primary factor affecting deep ocean currents?

- Wind patterns
- Temperature and salinity
- Earth's rotation
- tidal forces

Which current is the largest ocean current, circulating around Antarctica?

- Gulf Stream
- Kuroshio Current
- North Atlantic Drift
- Antarctic Circumpolar Current

Which ocean current flows along the eastern coast of the United States?

- California Current
- Kuroshio Current
- Gulf Stream
- Antarctic Circumpolar Current

What primarily drives surface ocean currents?

- Earth's rotation
- Wind patterns
- Salinity differences

- Gravitational pull

Which phenomena are related to variations in ocean currents? (Select all that apply)

- El Niño
 La Niña
 tsumanis
 Monsoons

Which tool is commonly used to measure ocean currents?

- Thermometer
 Anemometer
 Buoy
 Barometer

Which currents are considered warm currents? (Select all that apply)

- Gulf Stream
 California Current
 Kuroshio Current
 Labrador Current

What are the effects of ocean currents on climate? (Select all that apply)

- Regulate global temperatures
 Influence precipitation patterns
 Cause earthquakes
 Support marine ecosystems

What are the potential impacts of climate change on ocean currents? (Select all that apply)

- Alter current patterns
 Increased current speed
 Changes in marine biodiversity
 Enhanced gravitational pull

Which of the following factors influence ocean currents? (Select all that apply)

- Wind patterns

- Salinity differences
- Earth's magnetic field
- Temperature differences