

Lesson Quiz

Currents and Climate

Write the letter of the correct answer on the line at the left.

- ____ Which of the following is caused by differences in ocean water density?
 - surface currents
 - deep currents
 - waves
 - Coriolis effect
- ____ What is the Gulf Stream?
 - a surface current
 - a deep current
 - a river
 - a climate event
- ____ When a vast sheet of warm water moves east toward the coast of South America, which of the following occurs?
 - La Niña
 - El Niño
 - climate changes
 - seasons change
- ____ In the northern hemisphere, the Coriolis effect causes currents to do which of the following?
 - curve counterclockwise
 - curve clockwise
 - reverse direction
 - sink

If the statement is true, write *true*. If the statement is false, change the underlined word or words to make the statement true.

- _____ Unlike waves, currents do not move water from one place to another.
- _____ Earth's rotation causes the Coriolis effect.
- _____ The Gulf Stream cools nearby land areas.
- _____ The thermohaline circulation is a pattern of ocean currents driven by density differences.
- _____ A surface current effects the climate of nearby land.
- _____ Deep currents affect water down to a depth of several meters.