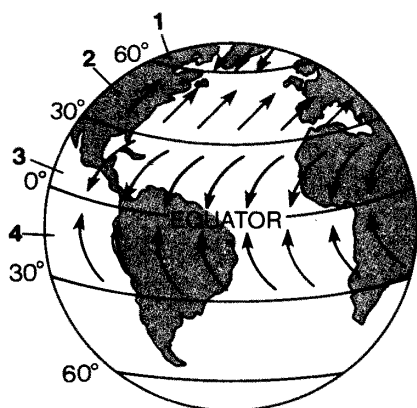


**M O D E R N   E A R T H   S C I E N C E**

## Ocean Currents

**Choose the one best response. Write the letter of that choice in the space provided.**

- \_\_\_\_\_ 1. Which type of current results from underwater landslides?
- a. rip current                      b. turbidity current  
c. longshore current            d. tidal current
- \_\_\_\_\_ 2. Which of the following best describes the water found in the deep currents of the Atlantic Ocean?
- a. cold with high salinity        b. cold with low salinity  
c. warm with high salinity       d. warm with low salinity
- \_\_\_\_\_ 3. The currents in the northern Indian Ocean are governed by winds called:
- a. monsoons.          b. tsunamis.          c. trade winds.          d. tomboles.
- \_\_\_\_\_ 4. Deep Atlantic currents are formed largely as a result of the:
- a. erosion by surface winds.      b. heating of surface water.  
c. rotation of the earth.          d. sinking of denser water.



- \_\_\_\_\_ 5.** Which number in the diagram represents the location of the winds called the westerlies?
- a. 1                      b. 2**  
**c. 3                      d. 4**

**Read each question and answer it in the space provided.**

6. From which direction do the trade winds blow in the Northern Hemisphere?
7. What is the deflection of the earth's winds and ocean currents caused by the earth's rotation called?
8. What is the name of the calm area of the North Atlantic Ocean that is completely encircled by surface currents, trapping debris within the area?
9. Which warm-water current is found just off the eastern coast of the United States?
10. What deep-water current travels north along the ocean floor for thousands of kilometers?