Name _____ Class_____Date_____

Skills Worksheet

Directed Reading B (Lesson 14-1)

Section: Currents

Read the words in the box. Read the sentences. Fill in each blank with the word or phrase that best completes the sentence.

continents	water	weather

1. Ocean currents are streamlike movements of ocean _____.
2. Storms and other kinds of _____ can change ocean currents.
3. Ocean currents also change because of the Earth's rotation and where the _____ are located.

ONE WAY TO EXPLORE CURRENTS

Circle the letter of the best answer for each question.

4. How did Thor Heyerdahl's raft travel from Peru to Polynesia?
   a. with a motor
   b. on a truck
   c. in an airplane
   d. on ocean currents

SURFACE CURRENTS

5. Which of the following does NOT control surface currents?
   a. ocean traffic
   b. continental deflections
   c. global winds
   d. the Coriolis effect

Global Winds

Circle the letter of the best answer for each question.

6. In what direction do winds near the equator blow ocean water?
   a. west to east
   b. east to west
   c. toward the land
   d. toward the open sea

The Coriolis Effect

7. Because of the Coriolis effect, how do currents appear to move?
   a. in curved paths
   b. in straight paths
   c. toward the land
   d. toward the open sea

Continental Deflections

8. What happens to an ocean current when it gets deflected?
   a. It gets cold.
   b. It sinks.
   c. It moves faster.
   d. It changes direction.

Taking Temperatures

9. Where do cold-water currents begin?
   a. near the equator
   b. near the poles
   c. in deep water
   d. in shallow water

DEEP CURRENTS

Read the description. Then <u>draw a line</u> from the dot next to each description to the matching word.

10. a streamlike movement of water that forms deep in the ocean
11. the amount of matter in a given space
12. the amount of dissolved salts or solids in a liquid

a. deep current

b. density

c. salinity

Formation and Movement of Deep Currents

<u>Circle the letter</u> of the best answer for each question.

13. What describes ocean water when ice forms at the surface?
    a. It gets less dense.
    b. It begins to move.
    c. It gets denser.
    d. It cracks the ice.
14. How does evaporation change the ocean water that is left behind?
    a. The water gets less dense.
    b. The water moves up.
    c. The water gets denser.
    d. The water gets fresher.
15. How do deep ocean currents compare to surface ocean currents?
    a. Deep currents flow faster.
    b. Deep currents are denser.
    c. Winds directly control deep currents.
    d. Deep currents are less dense.