

Directed Reading A

Section: Currents

1. Oceans contain streamlike movements of water known as _____.
2. Currents are influenced by weather, the Earth's _____, and the position of the _____.

ONE WAY TO EXPLORE CURRENTS

3. From where to where did Thor Heyerdahl and his crew sail the Kon-Tiki?

4. What theory was Heyerdahl trying to prove by sailing the Kon-Tiki?

SURFACE CURRENTS

5. Horizontal movements of water that occur at or near the ocean's surface are called _____.
6. Compare the directions in which surface currents flow near the poles and near the equator.

7. Why do wind and surface currents appear to move in curved paths?

8. What is the scientific term for the apparent curved motion of moving objects called?

9. What happens when a surface current meets a continent?

10. Where do cold-water and warm-water currents begin?

DEEP CURRENTS

Match the correct description with the correct term. Write the letter in the space provided.

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| _____ 11. a streamlike movement of ocean water located far below the surface | a. evaporation |
| _____ 12. the amount of matter in a given space, or volume | b. deep currents |
| _____ 13. a measure of the amount of dissolved salts or solids in a liquid | c. density |
| _____ 14. a process which removes water but leaves solids behind | d. salinity |
| _____ 15. a measure of how hot or cold something is | e. temperature |
16. Why is ocean water denser near the poles?

