

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Ocean Water Cycle Surfing for Grade 6

Track a drop of water as it journeys from the salty Indian Ocean through the atmosphere to the peaks of the Himalayas.

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**1. Which process is primarily responsible for adding salt to the oceans over millions of years?**

- A. Underwater volcanic eruptions
- B. Chemical weathering of rocks on land
- C. Atmospheric nitrogen fixation
- D. Melting of polar ice caps

**2. Water that evaporates from the ocean leaves its salt content behind.**

- A. True
- B. False

**3. Plants release water vapor into the atmosphere through a process called \_\_\_\_\_.**

- A. Infiltration
- B. Sublimation
- C. Transpiration
- D. Deposition

**4. What is the main energy source that powers the movement of water through the global water cycle?**

- A. The Moon's gravity
- B. The Earth's core heat
- C. The Sun
- D. Deep ocean currents

**5. Cold water is denser than warm water, causing it to sink toward the ocean floor.**

- A. True
- B. False

**6. If you were studying the 'Great Ocean Conveyor Belt,' which factor would you find driving deep-sea currents?**

- A. Surface wind speeds
- B. Differences in density (thermohaline)
- C. Coastal sand erosion
- D. The migration of whales

**7. When water vapor cools down and turns back into liquid water to form clouds, it is called \_\_\_\_\_.**

- A. Condensation
- B. Precipitation

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- C. Evaporation
- D. Collection

**8. Which of these labels describes water soaking into the ground to recharge aquifers?**

- A. Surface Runoff
- B. Condensation
- C. Infiltration
- D. Accumulation

**9. The \_\_\_\_\_ is the measure of the amount of dissolved salts in water.**

- A. Turbidity
- B. Salinity
- C. Acidity
- D. Viscosity

**10. The Earth's water cycle has a definite starting point in the middle of the Atlantic Ocean.**

- A. True
- B. False