

Name: _____ Date: _____

Ocean Explorer Challenge: Master the Water Cycle in Action

Aspiring hydrologists will design solutions for thirsty plants and track salt-free rain to understand how our planet's biggest systems support life.

1. If you are a cloud floating over a salty ocean and you start to rain, what kind of water comes out of you?

- A. Salty ocean water
- B. Fresh water with no salt
- C. Sand and seaweed
- D. Blue paint

2. Imagine you are a tiny drop of water in the ocean. To fly up into the sky, you need the ___ to warm you up.

- A. Moon
- B. Flashlight
- C. Sun
- D. Campfire

3. A puddle on the sidewalk can eventually become part of a wave in the Pacific Ocean.

- A. True
- B. False

4. You want to build a machine that collects water from the air. Which part of the water cycle are you trying to copy?

- A. Freezing
- B. Condensation
- C. Melting
- D. Swimming

5. If a mountain is very tall and cold, the water falling from a cloud will likely be ___.

- A. Hot soup
- B. Snow
- C. Steam
- D. Sand

6. The water you drink today could be the same water a dinosaur drank millions of years ago.

- A. True
- B. False

7. Why does a river keep flowing even if it hasn't rained in two days?

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- A. The fish push the water
- B. Water is stored in the ground and melting ice
- C. The ocean sends it back up
- D. Rivers never stop for any reason

8. Plants 'breathe' out water vapor into the air. This helps form ___ high in the sky.

- A. Stars
- B. Clouds
- C. Airplanes
- D. Kites

9. Most of the water on Earth is fresh and ready for us to drink immediately.

- A. True
- B. False

10. Which of these is the 'engine' that keeps the whole water cycle moving around the world?

- A. Wind and Heat
- B. Whales
- C. Boats
- D. The North Pole