

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

## Why is the Salty Sea Moving? 1st Grade Water Secrets Quiz

Evaluate how ocean salt and temperature drive the water cycle through challenging scenarios involving cloud formation and current movement.

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**1. If you put a toy boat in a warm ocean current and a cold ocean current, why might they move to different places?**

- A. Warm and cold water move in different directions like giant underwater rivers.
- B. The toy boat likes the warm water better so it stays still.
- C. Ocean water never moves unless a whale kicks it.
- D. The sun only pushes the cold water around.

**2. Imagine the sun is hiding behind big clouds all day. The process of \_\_\_\_\_ will happen much slower because there is less heat to turn liquid water into vapor.**

- A. Freezing
- B. Evaporation
- C. Melting
- D. Splashing

**3. If all the clouds in the sky suddenly disappeared and never came back, the water cycle would stop because there would be no precipitation (rain).**

- A. True
- B. False

**4. Why does rain water taste fresh even though it mostly evaporates from the salty ocean?**

- A. The salt gets tired and falls to the bottom of the ocean.
- B. Clouds add sugar to the water to make it taste better.
- C. When water turns into gas, it leaves the heavy salt behind in the ocean.
- D. Fish clean the water before it goes up to the sky.

**5. A scientist finds very salty water at the bottom of the ocean. This water sank because salty water is \_\_\_\_\_ than fresh water.**

- A. Lighter
- B. Heavier
- C. Hotter
- D. Bouncier

**6. Water vapor turning into liquid water to form a cloud is called condensation.**

- A. True
- B. False

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**7. What would happen to the ocean if the sun stopped shining for a long time?**

- A. The ocean would get saltier and saltier.
- B. Less water would evaporate, so there would be fewer clouds and less rain.
- C. The water would turn into lemonade.
- D. The waves would stop moving forever.

**8. When rain falls on a mountain and flows down into a river, we call this \_\_\_\_\_.**

- A. Snowing
- B. Runoff
- C. Sinking
- D. Bubbling

**9. How does the ocean help plants living in a rainforest far away?**

- A. The ocean sends salt through the air to feed the trees.
- B. The ocean water provides the vapor that eventually becomes rain for the forest.
- C. Ocean fish fly to the forest to bring them water.
- D. It doesn't; the ocean and the forest are not connected.

**10. The water you drink today could be the same water that a dinosaur splashed in millions of years ago.**

- A. True
- B. False