

## Grade 4 Science Worksheet 2: Water Cycle and Its Importance (Difficulty Level: Advanced)

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

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

### Question 1: What role does air pressure play in evaporation?

- a) Lower air pressure makes it easier for water to evaporate.
  - b) Higher air pressure speeds up evaporation.
  - c) Air pressure has no effect on evaporation.
  - d) Higher air pressure turns water into ice.
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### Question 2: Why does condensation release heat into the atmosphere?

- a) Heat is absorbed when water vapor forms clouds.
  - b) Heat is released when water vapor turns into liquid.
  - c) Heat is added to water droplets to cool them.
  - d) Heat disappears when condensation happens.
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### Question 3: Which condition would make condensation happen faster?

- a) Warming the air
  - b) Cooling the air quickly
  - c) Increasing water vapor
  - d) Increasing sunlight
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### Question 4: Why do we see steam rising from hot water?

- a) It is water vapor condensing into tiny droplets in cooler air.
- b) It is heat escaping into the air.
- c) It is oxygen leaving the water.
- d) It is air mixing with water.

**Question 5: How does wind affect evaporation?**

- a) Wind speeds up evaporation by carrying away water vapor.
  - b) Wind slows down evaporation by cooling the surface.
  - c) Wind has no effect on evaporation.
  - d) Wind freezes the water.
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**Bonus Question:**

**What is the difference between evaporation and boiling?**

- a) Evaporation happens throughout the liquid, while boiling happens only on the surface.
- b) Boiling happens throughout the liquid, while evaporation happens only on the surface.
- c) Evaporation requires higher heat than boiling.
- d) Boiling and evaporation are the same process.

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