

Grade 4 Science Worksheet 2: Water Cycle (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
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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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--BE THE CHAMPION!--