The water cycle Student Worksheet

Grades 6–8 / Revision 1 / 45 minutes per lesson

Lesson 1 Where can water go?

Name _____ Date _____

Explain your thinking with words, diagrams, or both.

Learning goals

Use evidence to support, extend, or revise a model and state a limitation.

Explain evaporation and condensation while distinguishing invisible vapor from visible droplets.

Question 1 wc-q1

Illustrative scenario: An impermeable shallow tray contains less visible water the next day. No water spilled or leaked. Explain where water could have gone, and suggest one observation that would help check your explanation.

Question 2 wc-q2

Predict what could happen outside a cold, sealed container. Sketch an initial explanation with surrounding air, invisible water vapor, and possible liquid droplets. Describe a room-temperature comparison and explain the direction of energy transfer.

Exit ticket wc-q3

Water appears outside a sealed cold lunch container. Explain a possible source of this water. Use your comparison or the illustrative scenario to support your explanation, and state what the evidence does not establish.

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Lesson 2 Different routes and model limits

Name _____ Date _____

Explain your thinking with words, diagrams, or both.

Learning goals

Model more than one possible route among water reservoirs.

Explain roles of energy and gravity in selected processes.

Use evidence to support, extend, or revise a model and state a limitation.

Question 1 wc-q4

Illustrative scenario: Rain enters soil near a tree. Trace a possible route by which some water can return to the air. Explain a different fate for water that remains underground. Which statements are explanations, rather than direct observations?

Question 2 wc-q5

Use evidence to support, extend, or revise your earlier model. Show two possible water routes. Explain one energy transfer and one role of gravity, then state a limitation of your model.

Exit ticket wc-q6

Correct two problems in this claim: Water follows one fixed circle, and the Sun pulls rain down.