

# 'Round and 'Round It Goes Activity Sheet

## Part A

Look carefully at the "Water Cycle" poster. Using information from the poster (and what you already know about water), complete the following questions:

1. Where do you see water on the poster?

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2. Where else is water found on Earth?

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3. The process by which water moves from the surface of plants to the atmosphere is called \_\_\_\_\_.

The process by which water moves from the surface of soil, water, buildings, and parking lots, to the atmosphere is called

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4. Water forms clouds in the atmosphere and falls to earth as \_\_\_\_\_

\_\_\_\_\_, \_\_\_\_\_, or sleet.

5. Where does water go after it falls as precipitation?

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6. What effect does the sun have on the water cycle? What effect does gravity have?

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7. How is groundwater used by people? How do we get water out of the ground?

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8. How many wells are shown on the poster? How is water from these wells used?

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9. List the human activities (shown on the poster) that could affect groundwater quality. Can you think of others?

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10. If a truck carrying chemicals overturned and a chemical pollutant was spilled near the abandoned mine shaft at the far right side of the poster, where might it end up? (There are lots of possibilities!)

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## Part B

Using the poster, what you already know about water, and a dictionary, define the following terms.

hydrologic or water cycle

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water table

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aquifer

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precipitation

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runoff

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condensation

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evaporation

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groundwater

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infiltration

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transpiration

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## Wisconsin's Water Cycle

Average precipitation.....	32.0 inches/year
Average runoff.....	3.0 inches/year
Evaporaton and transpiration .....	22.0 inches/year
Becomes groundwater.....	7.0 inches/year

(Values vary with location)

### Part C

1. What fraction of the annual average precipitation returns to the atmosphere as a result of evaporation and transpiration?

\_\_\_\_\_

2. Is any water lost from the cycle? \_\_\_\_\_

3. Does all the water that soaks into the ground remain underground? \_\_\_\_\_

If not, where does it go? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. About what percentage of the total annual precipitation becomes groundwater? \_\_\_\_\_