



**Make a Terrarium**

# Student Pack

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# The Water Cycle for Kids Video



**Directions:** Watch the video, and answer the questions about the water cycle.

1. What is the water cycle?

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2. What is evaporation, and what causes it?

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3. What is transpiration?

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4. What is condensation?

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5. What are the four types of precipitation?

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6. How can you help to save water?

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# Water Cycle Diagram Guidelines

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**Directions:** Follow these steps to create a diagram of the water cycle.

**Step 1** - Draw the parts of nature that contribute to the water cycle.

Your drawing should include:

- Clouds
- The ground
- Trees
- A body of water, like a lake, river, or ocean
- Rain, snow, sleet, or hail

**Step 2** - Draw arrows to show the movement of water through the water cycle.

Label each stage of the water cycle.

Your diagram should include these labels:

- Evaporation
- Condensation
- Precipitation
- Transpiration

**Step 3** - Add color to your diagram.

Name ..... Date .....

# Milestone #1 Inquiry Question

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**Directions:** Use what you learned in this milestone to answer the question.

Why is the water cycle important?

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# Making a Terrarium

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## Materials:

- 2-liter soda bottle, cut in half
- Small stones or pebbles
- Potting soil
- Spoon
- Small plant
- Spray bottle filled with water

## Steps:

1. Put a layer of small stones or pebbles in the bottom of your soda bottle. They should take up one or two inches. This area will collect any extra water in your terrarium.
2. Add 3 or 4 inches of potting soil on top of the stones.
3. Use the spoon to make a small hole in the soil.
4. Put the plant in the hole, and press the soil around it to hold it in place.
5. Use the spray bottle to water your plant. Use about eight sprays. You don't want too much water in your terrarium.
6. Slide the top of the soda bottle over the bottom. If it is too tight, ask your teacher to help you make a small slit on each side of the lid so it can slide over the bottom.
7. Put your terrarium in a spot that doesn't have direct sunlight.

# Parts of the Water Cycle



**Directions:** Look at your terrarium. Write about how you think it will show the parts of the water cycle.

Evaporation - .....  
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Condensation - .....  
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Transpiration - .....  
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Precipitation - .....  
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## Milestone #2 Inquiry Question

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**Directions:** Use what you learned in this milestone to answer the question.

What would happen if you took the cap off the soda bottle? Would you still be able to see the water cycle in your terrarium?

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# Water Cycle Story Planning

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**Directions:** Pretend you are a drop of water going through the water cycle. In each box, write about what you see, what you do, and how you feel at each stage of the water cycle. Be creative!

<p style="text-align: center;"><b>Evaporation/Transpiration</b></p>	<p style="text-align: center;"><b>Condensation</b></p>
<p style="text-align: center;"><b>Precipitation</b></p>	<p style="text-align: center;"><b>Other Details to Include</b></p>



Name ..... Date .....

# Water Cycle Comic

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**Directions:** Make a comic strip where you and your partner are both drops of water traveling together through the stages of the water cycle. Tell about your adventures, and be sure to include all the parts of the water cycle. Use speech bubbles to show what you are saying.

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Name ..... Date .....

# Milestone #3 Inquiry Question

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**Directions:** Use what you learned in this milestone to answer the question.

What would be one good thing about being a water drop going through the water cycle? What would be one bad thing?

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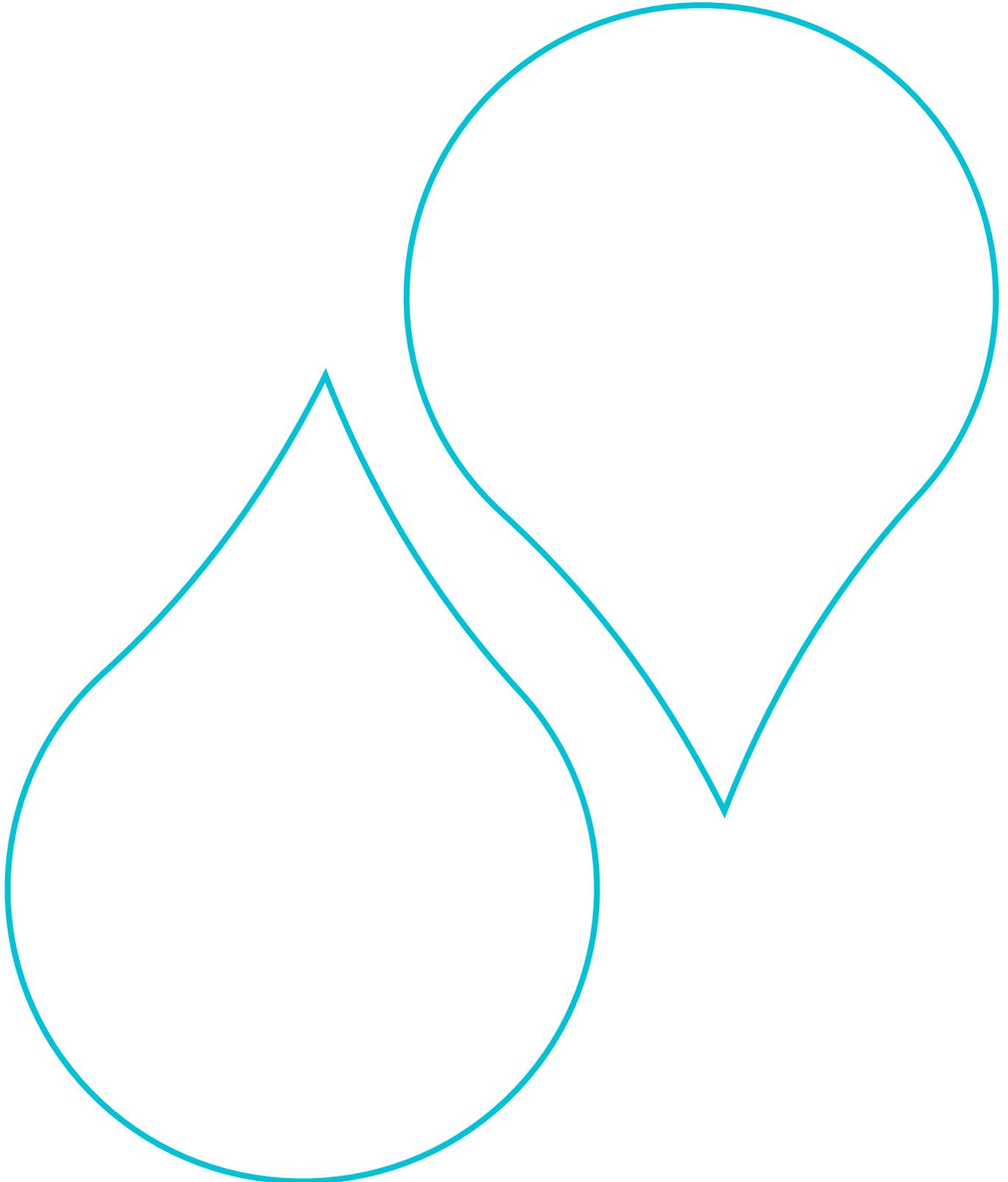
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Name .....

Date .....

# Raindrop Patterns

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Name ..... Date .....

## Milestone #4 Inquiry Question

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**Directions:** Use what you learned in this milestone to answer the question.

How will you and your partner make your water cycle skit interesting for the audience?

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Name .....

Date .....

# Water Cycle Skit Observations



**Directions:** As you watch the skits, take notes about your favorite things the water drops do and see at each stage of the water cycle.

<p>Evaporation/Transpiration</p>	<p>Condensation</p>
<p>Precipitation</p>	<p>Other Interesting Parts</p>

Name ..... Date .....

## Milestone #5 Inquiry Question

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**Directions:** Use what you learned in this milestone to answer the question.

What is the most interesting fact you learned about the water cycle?

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