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## Meet a Hydrologist!

Dr. Ge Sun is a hydrologist who asks questions about the impact of plants on the water cycle and the use of water by plants throughout a watershed. He is particularly interested in how climate change may affect the water cycle.

### What Is a Watershed?

Freshwater moves through the water cycle in many ways. One visible way is in streams and rivers. Below is the pattern that streams and rivers make in a watershed.



Use the grid on the right to make a watershed diagram. Each river has its own coordinates (X,Y) that you can plot. Connect the points with lines to make your rivers.

Learn more about the natural world:  
<http://www.naturalinquirer.org>

**A hydrologist studies the water cycle. Studying the water cycle means tracking water movement through the environment.**

## Be a Hydrologist...

Go outside and use your senses to observe the water cycle in action. What do you observe?

Imagine you are a water droplet gathered with other water droplets in a cloud. It is about to rain. Write a story, a poem, or draw a cartoon about your travels through the stages of the water cycle.

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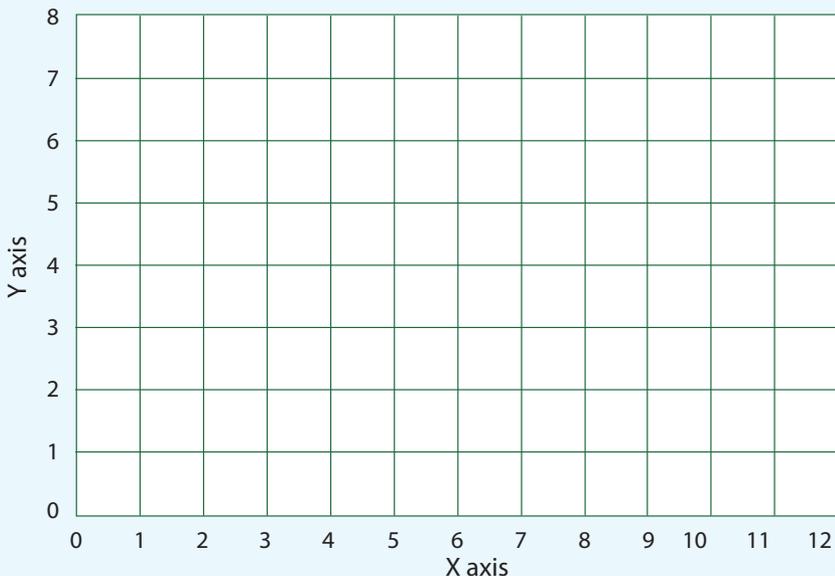
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NEED MORE SPACE?

## Create Your Own Watershed Diagram



**Main River:** (0,5) (3,3) (6,6) (8,3) (12,6)

**River A:** (3,7) (4,6) (5,7) (6,6)

**River B:** (4,0) (5,1) (6,4) (8,3)

On your diagram, two smaller rivers should feed into a larger river.



### Outdoor Tip:

Drinking water straight from a stream, lake, or pond is dangerous. Make sure to bring a water filter or full water bottles with you for your outdoor activities.