



Hydrologists study the water cycle. Studying the water cycle means tracking water movement from the raindrops falling from the sky to the ground, going into the soils, flowing through the rivers, and eventually moving to the ocean.

Dr. Ge Sun
Hydrologist
Ph.D., University of Florida
USDA Forest Service scientist

<http://www.naturalinquirer.org>



Important Scientist Characteristics

Doing science requires a lot of patience and dedication. You do not have to be the smartest to do science, but you do need passion for what you are doing. Critical thinking is essential since our understanding of nature is evolving and what is known even in a textbook may not be the truth.

Example of a simple research question I have tried to answer: How much water does one tree or a forest use in one day or a year?

Technology or equipment used in research:

We used a computer simulation model to simulate the water cycles and predict how climate change will affect future streamflow.

• **Most Exciting Discovery**
• I found that removing
• trees changed water flow
• in a watershed. I can use
• mathematical formulas
• and computers to
• calculate the change and
• predict the future.

• **When did you know you
• wanted to be a scientist?**
• In high school, I began
• to love mathematics and
• chemistry. I wanted to
• be a scientist because
• science is fun.