Be a Scientist: The GLOBE Program encourages you to use GLOBE data to help answer questions about how the environment works. Through research projects, you can answer your own science questions by creating hypotheses, analyzing data, drawing conclusions, and sharing your results. Scientific projects that you conduct and that include the use of GLOBE data or protocols can be submitted by your teacher for publication on this GLOBE website. By sharing your findings with the rest of the world you are completing the scientific process.
**Steps in the Scientific Process:** Science is something you can do. And doing science makes you a scientist! So, what do scientists do? They observe the world around them, ask questions, and use evidence (data) to answer the questions. They identify useful data that already exist or take new measurements. They also do calculations and analyze their data to draw conclusions about the questions they asked. Finally, and most importantly, they communicate their results so everyone can benefit from their work. By doing science, scientists gain a better understanding of the world around them and share that understanding with the whole world. Here are the steps that a scientist takes to conduct a research investigation. By following these steps, you can be a scientist!

**Observe Nature:** Looking at the world around you is an important first step in scientific research. There are many ways to explore the world and to help identify the area you want to investigate. The most basic way we make observations is with our senses. You can practice using your senses to make observations with the Water Detectives Learning Activity.

![Images of clouds, a stream, and trees](https://via.placeholder.com/150)

How many different types of clouds do you see? How do they differ?

How do plants near a stream affect the water?

When do trees start to lose their leaves in the fall?

Sources:

- GLOBE Be a Scientist
- GLOBE Scientific Research Process
- GLOBE Observe Nature
- GLOBE Observe Nature