

## Scientific Terms:

1. **Scientific Method:** a way of investigating the natural world that enables others to replicate the process
2. **Qualitative Data:** descriptive data that does not include a measurement or a counting number.
3. **Quantitative Data:** data that includes numerical information gained through measurement or counting.
4. **Hypothesis:** a possible, testable explanation for a problem.
5. **Null Hypothesis:** the opposite statement from a hypothesis that includes all other possibilities.
6. **Procedure:** a clear set of step-by-step instructions that enables different individuals to perform the same task in exactly the same way.
7. **Opinion:** a possible view or attitude about a subject.
8. **Bias:** a mental tendency or inclination that may favor a certain outcome.
9. **Essential Question:** "What impact can water pollutants have on vegetation in an ecosystem?"
10. **Observation:** the gathering of information through any of your five senses.
11. **Independent Variable:** what changes?
12. **Dependent Variable:** what is measured or observed.
13. **Control:** what stays the same.