

## Vocabulary Words – Week One

1. **scientific method** – a systematic approach to problem solving
2. **hypothesis** – a proposed solution to a scientific problem; an educated guess
3. **experiment** – a test of a hypothesis under conditions established by a scientist
4. **variable** – the factor being tested
5. **control** – an experimental group that doesn't contain the variable; It is set up for comparison sake.
6. **data** – recorded and measured observations; facts and figures gathered through observations; It can be recorded in data tables, graphs, journals, daily logs, etc.
7. **conclusion** – statements that explain and interpret the data in relation to the hypothesis
8. **independent variable** – (manipulated variable) the variable that the scientist establishes; It is not affected by anything.
9. **dependent variable** – (responding variable) the variable that changes because of the independent variable
10. **analysis** – careful examination of something to find out how it is made, how it works, what it is; viewing in order to compare, contrast, or interpret
11. **versus** – compared to; in order to
12. **constants** – parts of the experiment that must be kept exactly the same in both the variable and the control so that the results are accurate.