**Scientific Method Vocabulary**

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| Hypothesis | A clear, concise, testable statement based on observations |
| Variable | any item in an experiment that could change the outcome |
| Observation | data collected using the 5 senses |
| inference | logical conclusion based on chain of evidence |
| independent variable | variable that is being tested in an experiment |
| Dependent Variable | Variable that shows the change or result, what you are looking to measure in the exp. |
| Controlled Variable | Variable that remains the same throughout the entire experiment |
| Qualitative Data | Data represented through description, qualities, or characteristics |
| Quantitative Data | Data represented by numbers |
| Control Group | Group in an experiment that does not receive the tested (independent) variable. |