

What is Science?

1. Investigation into the truth that needs proof. (Truth will never be reached)
2. Based on something unusual, impersonal, unexplained, or a discrepant event.
3. Must work in team. Tests (experiments) are compared. Science can't be done alone!
4. Once everyone agrees, the explanation is called a theory.

The investigation is done by observation, then experimentation.

The experiment is a comparison of two or more things, with a control (something that is known, to prove the difference in something else)

The things being compared are called variables. There are two types of variables - independent and dependent. The independent variable either just goes on it's own without the ability to change it, or it causes the dependent variable to change. The dependent variable depends on the independent one.

Once a theory can be demonstrated as a truth in every measurable circumstance, and can be written mathematically in a consistent formula, then the theory is now called a Law. Such as the Law of Gravity or Universal Attraction.