Vocabulary NOS

1. **Pseudoscience:**

2. **Observation** : the use of one or more senses to gather information and take note of what occurs.

3. **Inference** : a logical explanation of an observation that is drawn from prior knowledge or experience.

4. **Hypothesis** : a possible explanation about an observation that can be tested by scientific investigations.

5. **Scientific Theory**: an explanation of observations or events based on knowledge gained from many observations and investigations.

6. **Scientific Law**: describes a pattern or an event in nature that is always true.

7. **Variable** : any factor in an experiment that can have more than one value.

8. **Dependent (Outcome) Variable**: the factor being measured or observed during an experiment.

9. **Independent (Test) Variable**: the factor that you want to test, manipulate or change.

10. **Constants** : the factors in an experiment that remain the same. This provides reliability in the investigation.

\*\***Control Variable:** the “group” in an experiment that is not subjected to the test variable! It is not affected by the experiment.

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|  | Roundhouse Diagram Instructions |
| 1 | Steps:First, draw a large circle and make ten pie pieces   |
| 2 | Nature of Science Test 1 |