

Review of Scientific Method

1. What is the goal of the scientific method?

2. Define the following , and give their purpose.
 - a. Independent variable

 - b. Dependent variable

 - c. Control group

 - d. Constants

3. Suppose Claire wants to know if color of nail polish effects the rate at which the nail polish dries. Give the following for her experiment.
 - a. Independent variable

 - b. Dependent variable

 - c. Control group

 - d. Constants

4. A zookeeper notices that elephants become restless shortly before an earthquake. The zookeeper forms a hypothesis that, just before an earthquake occurs, an elephant detects a sound that humans are unable to hear. How could this hypothesis be tested?