

Scientific Inquiry in a Paragraph

Directions:

Select the proper terms from the list to complete the following paragraph. Write your answers in on the lines of the paragraph. You may use each term only once or not at all.

analyze	experiment	observations	scientific inquiry
dependent	experimental group	data	conclusion
control group	experimental variable	presupposition	variables
communicates	hypothesis	problem	independent

Scientific inquiry involves the use of many different tools and activities to answer a question or solve a problem. The explanation of what a person thinks is the answer to the problem is called the _____. Sometimes a person needs to create a controlled _____ as a way of testing the way he/she thinks something might work. He/she tests the results of one factor at a time. These factors are called _____. The factor that he/she changes is called the _____ variable, and any factors that change as a result are called the _____ variables because they depend on the factors he/she changes. After studying these results he/she draws a _____ about whether he was right about his explanation or not. He/she then _____ his results to other scientists so that they can check them as well.