

Scientific Method Comprehension Worksheet

Read the paragraphs below and fill in the blanks with the words that make the most sense. You will find the word that matches best in each of the word groups below.

| | | | |
|--|---|---|---|
| variable scientific control biological conclusion data experiment problem | senses controls solutions solvents variable factor hypothesis conclusion | theories experiments properties none of the above data hypotheses structures expressions | meeting consideration laboratory conclusion solvent control deduction theory |
|--|---|---|---|

The _____ method is a process that scientists use to help them test new ideas. The first step in this process usually involves defining the _____.

The next step involves gathering information and making observations of natural phenomena. A way in which this can be done is by using one or more of the five _____.

After initial observations have been made, the following step usually involves the scientist making an educated guess or a _____. This is a possible explanation of how or why the phenomena that have been observed occur.

Following this, an investigation may be carried out to determine the plausibility of the explanation. This is usually done through performing one or more activities that are collectively known as _____.

Observations are made and recorded. These recorded observations are known as _____.

After the observations have been made and recorded, the scientist then forms a _____ and in the process notes whether the observations made and the results recorded support or refute the hypothesis.

In the future, other scientists may retest this hypothesis and if it turns out that after numerous retest, the hypothesis remains supported by experimental data, it may become known as a _____.

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