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Scientific Inquiry Crossword

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| **Across****3.** Data describing observations through subjective values is \_\_\_\_\_\_\_\_\_\_\_.**4.** A \_\_\_\_\_\_\_\_\_\_ is a prediction of what you believe will occur in your experiment formatted as a specific "if... then..." statement.**6.** An \_\_\_\_\_\_\_\_\_\_\_ is a statement based on the senses such as taste, smell, or sight.**11.** The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is changed during an experiment and is represented by the x axis on a graph.**13.** An \_\_\_\_\_\_\_\_ is a written explanation of the data shown in graphs.**14.** A \_\_\_ is a statement based on repeated experimental observations that describes some aspect of the universe.**15.** \_\_\_\_\_\_\_\_\_\_\_ is the evaluation of scientific, academic, or professional work by others working in the same field.**16.** A \_\_\_\_\_\_\_\_\_\_ is a written statement explaining the data analysis and whether the results support the hypothesis or not. | **Down****1.** Data describing observations through specific measurements is \_\_\_\_\_\_\_\_\_\_\_.**2.** The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is measured during an experiment and is represented by the y axis on a graph.**5.** In an experiment, the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ contains the independent and dependent variables.**7.** The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a set of steps that scientists use to collect information and answer questions.**8.** In an experiment, the \_\_\_\_\_\_\_\_\_\_\_\_\_ is observed under normal circumstances.**9.** A \_\_\_\_\_\_\_\_\_ is a statement based on repeated experimental observations that describes some aspect of the universe.**10.** A \_\_\_\_\_\_ is the best explanation for a natural phenomena that has been repeatedly tested and confirmed through observation and experimentation.**12.** An \_\_\_\_\_\_\_\_\_ is a conclusion based on observations. |