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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

Scientific Inquiry Crossword

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|  |  |  |  |  |  | 11  I | N | D | E | P | E | N | D | E | N | T | V | A | R | I | A | B | L | E |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | 15  P | E | E | R | R | E | V | I | E | W |  | U |  | E |  |  | R |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | 16  C | O | N | C | L | U | S | I | O | N |  |  |  |  |  |  | P |  |  |  |  |  |
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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. |