

Name: _____ Date: _____ Period: _____

Physical Science Semester Test

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| 1. Pattern of investigation procedures that can include stating a problem, forming a hypothesis, researching and gathering information, testing a hypothesis, analyzing data, and drawing conclusions | A. Speed |
| 2. Factor that changes as a result of changes in other variables | B. Theory |
| 3. Possible explanation for a problem using what is known and what is observed | C. Scientific Methods |
| 4. Organized procedure for testing a hypothesis; tests the effect of one thing on another under controlled conditions | D. SI |
| 5. Quantity that can have more than a single value, can cause a change in the results of an experiment | E. Constant |
| 6. Factor that, as it changes, affects the measure of another variable | F. Mass |
| 7. In an experiment, a variable that does not change. | G. Motion |
| 8. Standard used for comparison of test results in an experiment | H. Density |
| 9. Occurs when a scientist's expectations change how the results of an experiment are viewed | I. Society |
| 10. Can be used to represent an idea, object, or event that is too big, too small, too complex, or too dangerous to observe or test directly | J. Variable |
| 11. Explanation of things or events based on knowledge gained from many observations and investigations | K. Hypothesis |
| 12. Statement about what happens in nature that seems to be true all the time; does not explain why or how something happens. | L. Standard |
| 13. Exact, agreed-upon quantity used for comparison | M. Velocity |
| 14. International system of Units- that improved, universally accepted version of the metric system that is based on multiples of ten and includes the meter (m), liter (L), and kilogram (kg) | N. Experiment |
| 15. Amount of space occupied by an object | O. Control |
| 16. Anything that takes up space and has mass | P. Model |
| 17. Amount of matter in an object | Q. Volume |
| 18. Mass per unit volume of a material | R. Dependent Variable |

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| 19. Visual display of information or data | S. Independent Variable |
| 20. Application of science to benefit people | T. Momentum |
| 21. Group of people that share similar values and beliefs | U. Matter |
| 22. A change in an object's position relative to a reference point | V. Bias |
| 23. Distance and direction of an object's change in position from the starting point | W. Displacement |
| 24. Distance and object travels per unit of time | X. Graph |
| 25. The speed and direction of a moving object | Y. Scientific Law |
| 26. Property of a moving object that equals its mass times its velocity | Z. Technology |