**Unit 1: Vocabulary Review Worksheet**

**Directions: Choose the term from the word bank that best completes each definition.**

**applied research dependent variable hypothesis scientific law**

**technology weight control experiment**

**independent variable mass model theory**

**pure research chemistry quantitative data matter**

**scientific method qualitative data conclusion**

1. A relationship in nature that is supported by many experiments is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is the practical use of scientific information.
3. A(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a tentative explanation based on observations.
4. A measure of an amount of matter and the effect of Earth’s gravitational pull on that matter is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is undertaken in order to solve a specific problem.
6. In an experiment, the value of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ changes in response to another variable.
7. An explanation that has been supported by many experiments is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
8. A(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a set of controlled observations that test the hypothesis.
9. In an experiment, the experimenter plans to change the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is a measure of the amount of matter.
11. A(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a standard for comparison in an experiment.
12. A visual, verbal, and/or mathematical explanation of experimental data is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
13. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a systematic approach that organizes how to do research and verify the work of scientists.
14. A(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a judgment based on information obtained in an experiment.
15. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is anything with mass that takes up space.
16. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ tells you information about how much, how little, how big, how tall, or how fast.
17. The study of matter and the changes it undergoes is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
18. Information that describes color, odor, shape, or other physical characteristics is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
19. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ seeks to gain knowledge for the sake of knowledge.