Unit 1 Vocabulary Words

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| **Across**  **1.** Information describing color, odor, shape, or some other physical characteristic.  **9.** the variable that a researcher actively manipulates, and which causes a change in the dependent variable.  **10.** A ratio that compares two quantities measured in different units (example: miles per hour)  **11.** The line that most closely approximates the data points plotted on a graph.  **12.** All of the factors that remain the same in both the experimental group and the control group.  **13.** In an experiment, the group exposed to the treatment (the IV is changed). | **Down**  **2.** An observation that is measurable such as amount, height, length, weight, etc.  **3.** The research variable that is measured during an experiment; it changes in response to changes in the independent variable.  **4.** In an experiment, the group not exposed to the treatment; contrasts with the experimental group and serves as a a comparison for evaluating the effect of the treatment.  **5.** A graph that uses horizontal or vertical bars to display data.  **6.** The steepness of a line on a graph, equal to its vertical change divided by its horizontal change.  **7.** A testable prediction; possible answer to experimental question.  **8.** A graph in which data pints are plotted and then joined by a best fit line. |