

Name: _____

Date: _____

Scientific Method

Directions: Write the word in the blank to the left that matches the definition

Word Bank: Measurement Bias, Sampling Bias, Theory, Hypothesis, Variable, Control, Independent Variable, Dependent Variable, Scientific Method, Experimental Errors, Reliable,

Hypothesis	1. An explanation to a problem based on prior knowledge, personal experiences, and observations,
Experimental Errors	2. Mistakes that occur during the experiment that may affect the results.
Sampling Bias	3. When the number of people you surveyed in your experiment does NOT represent the entire population you are interested in
Theory	4. A well-tested explanation to a problem based on much evidence.
Independent Variable	5. The variable that is purposely changed in an experiment.
Scientific Method	6. An organized process used in science to answer questions/problems.
Variable	7. Any factor, trait, or condition that can exist in differing amounts or types.
Dependent Variable	8. The variable that depends on the independent variable (usually what you are measuring).
Control	9. The variable without any changes.
Reliable	10. When you can trust your results, your experiment is said to be