

# The Scientific Method

Arrange the steps of the scientific method in the proper order.

- \_\_\_\_\_ Research the problem.
- \_\_\_\_\_ Observe and record.
- \_\_\_\_\_ Make a hypothesis.
- \_\_\_\_\_ Identify the problem.
- \_\_\_\_\_ Arrive at a conclusion.
- \_\_\_\_\_ Test the hypothesis.



Match each term with the correct definition.

- \_\_\_\_\_ 1. hypothesis
- \_\_\_\_\_ 2. control
- \_\_\_\_\_ 3. variable
- \_\_\_\_\_ 4. experiment
- \_\_\_\_\_ 5. conclusion
- \_\_\_\_\_ 6. theory
- \_\_\_\_\_ 7. data

- A. organized process used to test a hypothesis
- B. an educated guess about the solution to a problem
- C. observations and measurements recorded during an experiment
- D. a judgment based on the results of an experiment
- E. a logical explanation for events that occur in nature
- F. used to show that the result of an experiment is really due to the condition being tested
- G. factor that changes in an experiment

