

THE SCIENTIFIC METHOD Green TEST

Match each step with the correct definition. Place the letter of the definition on the line.

- ___ 1. Devise a Hypothesis
- ___ 2. Do the Experiment
- ___ 3. Come to a conclusion
- ___ 4. Collect and Record Data
- ___ 5. Research your topic and make observations
- ___ 6. Think of an Idea
- ___ 7. Make an experimental plan

- A.** Compile the data you collected during the experiment, evaluate the results, and come to a conclusion. Explain whether your hypothesis was proven or disproved and WHY you think the results turned out the way they did.
- B.** First, you will need to think of an idea for what you will try to figure out in your experiment. The best way to start is to think of some scientific things that interest you.
- C.** Find out what other scientists already know about your topic and share what you already know about your topic.
- D.** Sit down to the nitty-gritty of doing the experiment and collecting your data.
- E.** Based on your research and what you already know, write a possible answer to your question. Explain the reasoning behind your guess.
- F.** Make a game plan of when, where, how, what, and why you are going to do what it is that you are going to do. What materials will you need? What steps will you follow? What data will you collect during your experiment?
- G.** Keep track of all the information you get during your experiment using charts, data tables, drawings, and observation logs. You'll need to decide how to present your data depending on the type of information you're collecting during the experiment.

Part II. Write the seven steps of the Scientific Method in the correct order.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.