




Doing Science

 **Directions:** Use the following terms to complete the statements below.

prepare	draw a conclusion	experiment	safety
hypothesis	variables	trial	materials
data tables	goggles	safety apron	

1. You can solve a problem by doing a(n) _____ .
2. Before you begin an experiment, you need to get a clear idea of what you want to find out. You can _____ for the experiment by thinking about the problem you are trying to solve.
3. Use the information you already know about the problem to form a(n) _____ . Your experiment will test this prediction.
4. The kinds of materials you use in your experiment and the shape of the materials are two kinds of _____. You will need to control these factors to make sure your experiment is accurate.
5. How many times will you repeat your experiment? Mistakes sometimes happen. That's why you need to make more than one _____ of a(n) experiment.
6. Make a list of the _____ you will need for your experiment. Also make any _____ you will need to record your observations.
7. To prevent accidents, it's important to think about _____. You should always wear _____ and a(n) _____ when doing experiments.
8. After you've finished the experiment and recorded your observations, you should _____ based on the results. Then compare this to your hypothesis.