

**Chapter 1**

Use with Section 1

**ENRICHMENT****• Scientific Problem Solving****How does watching too much television affect us?**

There is a lot of controversy about the effects of television on kids. Most people have heard the saying “too much television is bad for you.” Now is your chance to weigh in on the subject. Regardless of how you feel about television, you can now try to prove, one way or the other, whether television really is bad for you.

Working with a partner, you should design an observational study to determine the effects of television on people. Remember to use the methods you learned earlier in the chapter. When you are finished, you need to decide on a way to share your data with the rest of the class. The way you decide to share your information must include a graph.

**Procedure**

1. Form a hypothesis.
2. Determine your independent variable.
3. Determine your dependent variable.
4. Perform your observational study.
5. Analyze your data.
6. Draw a conclusion.

**Designing Your Study**

1. What is your hypothesis? \_\_\_\_\_
2. What is your independent variable? \_\_\_\_\_  
\_\_\_\_\_
3. What is your dependent variable? \_\_\_\_\_  
\_\_\_\_\_

**Analyze Your Data**

4. What method did you use to record your data while conducting your study?  
\_\_\_\_\_

**Draw Conclusions**

5. What conclusions can you make based on your hypothesis and the results of your study?  
\_\_\_\_\_
6. What are some questions that have been raised from your study?  
\_\_\_\_\_
7. What type of graph would you use to present your findings? Why would you choose that type of graph?  
\_\_\_\_\_  
\_\_\_\_\_