Conducting Scientific Investigations I	
Review Explain each step of the scientific method in your own words. Be sure your answers are in complete sentences.	
1.	Identify a problem and gather background information
2.	Form a hypothesis
3.	Design and carry out an experiment
4.	Record and analyze data
5.	State a conclusion
6.	Write a report
Sk	xill Challenge xill: graphing implete the following.
	Circle A Circle B

_____ Class _____ Date _____

- **1.** Use circle A to make a circle graph that shows what you do with your time during the 24 hours of a weekday. Color each section of your circle graph a different color. Use a key to identify what each color represents.
- **2.** Use circle B to make a circle graph that shows what you do with your time during the 48 hours of the weekend. Color each section of your circle graph a different color. Use a key to identify what each color represents.

Name _____

Answer Key

Conducting Scientific Investigations I Review

Accept all logical responses. Possible answers: 1 Ask a question that can be answered by the scientific method. Use sources such as magazines, books, or the Internet to gather information about your question 2. Develop a possible answer to the question. This answer, called a hypothesis, should account for given information or past experiments. 3. Design an experiment to test the hypothesis. The experiment should take all variables into account. 4. Write down all observations and measurements while performing the experiment, then analyze the data. 5. Develop a statement that sums up what you have learned from the experiment. The conclusion should explain whether the hypothesis was correct. 6. A written lab report explains what happened in an experiment. The report should include enough information for others to duplicate the experiment.

Skill Challenge

Students' graphs will vary. Check students' graphs and keys for logic and accuracy.