

# Review of Scientific Investigation Skills

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## Analyzing Investigation Results

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Answer the following questions based on what you learned about data visualization and scientific investigation.

1. What is one purpose of using graphs in science?

- A. To make data look pretty
- B. To help understand patterns
- C. To confuse others

2. Graphs help us organize and visualize \_\_\_\_ data.

3. What types of graphs did you learn about in this lesson? Name at least two.

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4. Pie charts are used to show parts of a whole.

- True       False

5. Which of these is NOT a type of graph?

- A. Bar chart
- B. Line graph
- C. Data table
- D. Pie chart

6. Why is it important to create clear graphs or tables from investigation data?

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7. The verse from Proverbs 18:15 encourages us to seek \_\_\_\_ and knowledge.

8. Scientists do not need to analyze data to draw conclusions.

- True       False

9. How can graphs help scientists?

- A. By hiding data
- B. By showing patterns
- C. By complicating data

10. What patterns did you discover through your data analysis in this lesson?

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### Answer Key

1. To help understand patterns   2. scientific   3. bar graphs and line graphs   4. True   5. Data table   6. Clear graphs help everyone understand the data easily and make better decisions.   7. understanding   8. False   9. By showing patterns   10. I noticed trends in the growth of plants based on the amount of sunlight they received.