

# Mid-Investigation Analysis Review

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## Understanding Data and Investigation

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

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

Answer the following questions based on the lesson about data analysis and investigation.

1. What have you learned about your investigation so far?

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2. What is one way to improve data collection accuracy?

- A. Ignoring outliers
- B. Using consistent measurement methods
- C. Collecting less data

3. Proverbs 18:15 emphasizes the importance of seeking knowledge.

True       False

4. The heart of the discerning gets \_\_\_\_.

5. What might cause variations in your data?

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6. What should you look for when analyzing data?

- A. Consistent patterns
- B. Only the highest results
- C. Ignoring all numbers

7. Recognizing outliers is not important in data analysis.

True       False

8. To determine the reliability of your investigation, you should look for consistent \_\_\_\_.

9. How can you practice scientific reasoning with your data?

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10. What is a potential adjustment to improve your investigation?

- A. Reduce the sample size
- B. Change measurement tools
- C. Stop collecting data

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Answer Key

1. I learned how to analyze my data and identify patterns. I also discovered some unexpected results that need further investigation. 2. Using consistent measurement methods 3. True 4. knowledge 5. Variations can be caused by errors in measurement, changes in environmental conditions, or differences in how samples are collected. 6. Consistent patterns 7. False 8. patterns 9. I can practice scientific reasoning by asking questions about my data, forming hypotheses, and testing my ideas through further experimentation. 10. Change measurement tools