

Drawing Conclusions Review

BibleMouse.com

Understanding Scientific Reasoning

Name: _____

Date: _____

Answer the following questions based on what you've learned about drawing scientific conclusions.

1. What is a strong scientific conclusion based on?

- A. Personal opinion
- B. Collected data
- C. Guesswork

2. Why is it important to be objective in scientific reasoning?

3. The heart of the prudent gets ____ according to Proverbs 18:15.

4. A hypothesis is always proven correct in scientific research.

- True False

5. What can unexpected results teach us in scientific research?

6. What do scientists do to see if their hypothesis is supported?

- A. Ignore the data
- B. Carefully examine the evidence
- C. Make a guess

7. When writing scientific conclusions, we should clearly show our ____.

8. Drawing conclusions is similar to solving a puzzle.

- True False

9. What should you do if your hypothesis is not supported by evidence?

- A. Change the results
- B. Ignore the hypothesis
- C. Re-evaluate the hypothesis

10. How can we develop critical thinking skills in scientific reasoning?

Answer Key

1. Collected data 2. Being objective helps ensure that we rely on facts, not feelings, which leads to accurate conclusions. 3. knowledge 4. False 5. Unexpected results can lead to new discoveries and help refine our understanding of a topic. 6. Carefully examine the evidence 7. reasoning 8. True 9. Re-evaluate the hypothesis 10. We can develop critical thinking by analyzing data, questioning our assumptions, and being open to new information.