

Question Quest Review

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Understanding Scientific Inquiry

Name: _____

Date: _____

Answer the following questions based on what you learned about scientific inquiry.

1. What is a characteristic of a good scientific question?

- A. It is broad and vague
- B. It can be tested and measured
- C. It is based on opinions

2. Why is curiosity important in scientific discovery?

3. All scientific questions can be tested through experiments.

- True False

4. A ____ question can be answered by conducting an experiment.

5. Which of the following is an example of a testable question?

- A. Why is the sky blue?
- B. What is your favorite color?
- C. Do plants grow faster in sunlight or shade?

6. What does Proverbs 2:6 tell us about wisdom and knowledge?

7. Curiosity and scientific questions are not related.

- True False

8. Transforming observations into scientific questions helps us develop our ____ about God's created world.

9. What is the first step in scientific inquiry?

- A. Asking a question
- B. Conducting an experiment
- C. Analyzing data

10. How can we turn a curious observation into a scientific question? Give an example.

Answer Key

1. It can be tested and measured 2. Curiosity drives us to ask questions and seek answers about the world around us. 3. True 4. testable 5. Do plants grow faster in sunlight or shade? 6. It tells us that God gives wisdom and knowledge, which is important for understanding the world. 7. False 8. curiosity 9. Asking a question 10. We can observe that some plants grow taller in the sun. A scientific question could be, 'How does sunlight affect plant growth?'