

Understanding Scientific Models

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Why Scientists Use Models

Name: _____

Date: _____

Answer the following questions based on what you learned about models in science.

1. What do scientists use models for?

- A. To create art
- B. To explain complex ideas
- C. To cook food

2. Models can only be physical and not digital.

True False

3. Models help us understand things that are too ____ or too ____ to see directly.

4. Why are models important in understanding God's creation?

5. Which of the following is an example of a model?

- A. A recipe
- B. A globe
- C. A song

6. Scientists do not use models because they prefer direct observation.

True False

7. What makes a good scientific model?

8. Yahweh by wisdom founded the earth, and by ____, he established the heavens.

9. What are the types of models mentioned in the lesson?

- A. Only physical
- B. Only digital
- C. Physical, digital, or mathematical

10. Name one thing that would be too big or small to see easily that scientists might use a model for.

Answer Key

1. To explain complex ideas 2. False 3. big, small 4. Models help us simplify and understand the complex systems God created. 5. A globe 6. False 7. A good scientific model accurately represents the concept and helps explain difficult ideas. 8. understanding 9. Physical, digital, or mathematical 10. Scientists might use models for galaxies or atoms because they are too big or small to see directly.