

# Scale Model Challenge Review

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## Understanding Earth's Place in the Solar System

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

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

Answer the following questions based on the lesson about scale models of the solar system.

1. What is the purpose of using scale models in astronomy?

- A. To make planets look bigger
- B. To understand vast distances
- C. To calculate the weight of planets

2. The \_\_\_ declare the glory of God.

3. Scale models do not help us understand the size of the solar system.

- True       False

4. What was one surprising fact you learned about the distances between planets?

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5. Which of the following challenges do scientists face when measuring cosmic distances?

- A. Lack of technology
- B. Inaccurate data
- C. Extreme sizes and distances

6. Understanding scale helps us appreciate God's \_\_\_ in creating the universe.

7. Mathematicians use proportional representations to understand astronomical distances.

- True       False

8. Why is it important to comprehend vast spaces in the universe?

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9. What was one activity you did to learn about solar system distances?

- A. Building a model rocket
- B. Creating a walking model of distances
- C. Drawing the planets

10. The expanse shows God's \_\_\_ according to Psalms 19:1.

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### Answer Key

1. To understand vast distances   2. heavens   3. False   4. I was surprised that Mars is so far from Earth, much farther than I thought.   5. Extreme sizes and distances   6. design   7. True   8. It helps us understand how great God's creation is and gives us perspective on our place in it.   9. Creating a walking model of distances   10. handiwork