

# Stems: Nature's Pipelines Review

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## Understanding Plant Structures and Functions

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

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

Answer the following questions based on what we've learned about stems.

1. What are the main functions of plant stems?

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2. What do stems transport from the roots to the leaves?

- A. Only water
- B. Nutrients only
- C. Water and nutrients

3. Stems only support the plant and do not transport anything.

- True       False

4. Stems are like pipelines that move \_\_\_\_ and \_\_\_\_ throughout the plant.

5. Why do plants need strong stems?

- A. To look pretty
- B. To support the plant and hold it upright
- C. To carry food

6. How did we conduct the celery dye transport experiment?

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7. Isaiah 41:19 talks about different types of trees and their designs.

- True       False

8. What is one example of a plant mentioned in Isaiah 41:19?

- A. Cactus
- B. Cypress tree
- C. Rose bush

9. God designed plants with intricate \_\_\_\_ to help them survive in their environment.

10. In your opinion, why is it important to appreciate God's design in plant systems?

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### Answer Key

1. Plant stems transport water and nutrients, provide support, and connect roots to leaves. 2. Water and nutrients 3. False 4. water, nutrients 5. To support the plant and hold it upright 6. We added food coloring to water and placed celery in it to observe how the color traveled through the stem. 7. True 8. Cypress tree 9. systems 10. It helps us understand the complexity of nature and encourages us to care for the environment.