

Science Fables

The Stem That Carried a River

Story Quiz

This quiz follows Lina and Mateo as they discover how a plant's stem transports water, minerals, and food.

1. Why was the sunflower drooping after the hot morning?

- A. It had received too much sunlight
- B. It needed more water
- C. Its roots had disappeared
- D. Its flower was too heavy

2. What did the blue-water flower experiment demonstrate?

- A. Water moves upward through the stem
- B. Flowers make blue water
- C. Roots change the color of petals
- D. Leaves send water into the soil

3. What is the job of the xylem?

- A. To carry food from the leaves
- B. To produce seeds
- C. To carry water and minerals upward from the roots
- D. To attract insects to the flower

4. What is the job of the phloem?

- A. To carry food made in the leaves to the rest of the plant
- B. To soak up water directly from the air
- C. To hold the plant firmly in the soil
- D. To make sunlight for the leaves

5. Why is the stem compared to a transportation system?

- A. It allows the plant to move from place to place
- B. It carries water, minerals, and food to different parts of the plant
- C. It produces all the plant's flowers
- D. It protects the plant from every insect

Answer Key



1. B — It needed more water

The sunflower was drooping because it needed more water.

2. A — Water moves upward through the stem

The blue-water flower experiment demonstrated that water moves upward through the stem.

3. C — To carry water and minerals upward from the roots

The xylem carries water and minerals upward from the roots.

4. A — To carry food made in the leaves to the rest of the plant

The phloem carries food made in the leaves to the rest of the plant.

5. B — It carries water, minerals, and food to different parts of the plant

The stem is like a transportation system because it carries water, minerals, and food to different parts of the plant.