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.