Science Fables

The Green Lake Mystery

Story Quiz

This quiz follows two curious kids and Grandma June as they discover what algae are and why algal blooms happen.

1. What are algae?

A. Tiny organisms that grow in water
B. Large animals that live on land
C. Rocks found at the bottom of lakes
D. Plants that only grow in deserts

2. What do algae use to make their own food?

A. Sunlight, water, and carbon dioxide
B. Soil, insects, and rocks
C. Fish, oxygen, and sand
D. Rain, wind, and fertilizer only

3. What is an algal bloom?

A. When all algae disappear
B. When algae grow much faster than normal
C. When flowers grow around a lake
D. When lake water freezes

4. Why can algal blooms harm fish?

A. They make the water too cold
B. They remove all the plants from the shore
C. They can reduce oxygen in the water
D. They make fish grow too quickly

5. How can people help prevent algal blooms?

A. Use more fertilizer near lakes
B. Add phosphate directly to the water
C. Keep fertilizer away from waterways and use less phosphate
D. Remove all algae from every lake

Answer Key

1. A — Tiny organisms that grow in water

Algae are tiny organisms that grow in water.

2. A — Sunlight, water, and carbon dioxide

Algae use sunlight, water, and carbon dioxide to make their own food.

3. B — When algae grow much faster than normal

An algal bloom happens when algae grow much faster than normal.

4. C — They can reduce oxygen in the water

Algal blooms can harm fish because they can reduce oxygen in the water.

5. C — Keep fertilizer away from waterways and use less phosphate

People can help prevent algal blooms by keeping fertilizer away from waterways and using less phosphate.