



## *Plant Adaptations*

### Guided Viewing and Assessment

#### **Grade Three: Life Sciences** **Benchmark B:**

*Diversity and Interdependence of Life*

2. Relate plant structures to their specific functions (e.g. growth, survival, and reproduction)
3. Classify common plants according to their characteristics (e.g. tree leaves, flower seeds, roots and stems.)

**Procedure:** Distribute the pre and post-viewing guide on the following page to provide focused viewing for students while watching the *You at the Zoo* video *Plant Adaptations*. The completed viewing guide may also be used as a learning assessment tool. An answer key is included below.

Before viewing the *You at the Zoo* video *Plant Adaptations*, instruct students to read and respond to the “What I Already Know” Column of the *Plant Adaptations* Viewing Guide. Let students know it’s okay if they do not know all of the answers. Play the *Plant Adaptations* video and instruct students to now fill out the “What I Learned” column. After playing the video, use the guide to facilitate a post-viewing discussion with students.

#### ***Plant Adaptations Guided Viewing Key***

1. The seed might not get enough sun to survive
2. Roots, stems, leaves, flowers and seeds
3. Roots absorb water from the soil and the root also supports the plant
4. Plant stems allow nutrients from the roots to go up into the plant
5. Leaves are the parts of the plant that make food
6. Photosynthesis is the process from which plants get energy from the sun
7. Flowers contain the seeds, and attract pollinators for reproduction
8. Seeds are the part of the plant that grow into new plants
9. Some have thorns, bristles or chemicals that are toxins
10. Predators like insects and animals

## Plant Adaptations Viewing Guide

**Directions:** Before viewing the *You at the Zoo* video *Plant Adaptations* read and respond to the “What I Already Know” Column of the *Plant Adaptations* Viewing Guide. It’s okay if you don’t know all of the answers! This will help you see how much you have learned after watching the video. While watching the video, answer the questions by filling out the “What I Learned” column.

	What I Already Know	What I Learned
1. What happens if a seed lands too close to its parent tree?		
2. What are the main structures most plants are made of?		
3. What do plants use their roots for?		
4. What role do plant stems have?		
5. What role do leaves play?		
6. What is photosynthesis?		
7. What role do flowers have?		
8. What do seeds do?		
9. What are some ways plants protect themselves from predators?		
10. From what do plants need to protect themselves?		