



## *Ecosystem Changes* Guided Viewing and Assessment

### **Grade Five: Life Sciences**

#### **Benchmark C:**

*Diversity and Interdependence of Life*

6. Analyze how all organisms, including humans, cause changes in their ecosystems and how these changes can be beneficial, neutral, or detrimental (e.g. beaver ponds, earthworm burrows, grasshoppers eating plants, people planting and cutting trees, and people introducing a new species.)

#### **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 *Ecosystem Changes*. 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 *Ecosystem Changes*, instruct students to read and respond to the “What I Already Know” Column of the *Ecosystem Changes* Viewing Guide. Let students know its okay if they do not know all of the answers. Play the *Ecosystem Changes* 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.

### ***Ecosystem Changes* Guided Viewing Key**

1. Asian
2. Their ears – Asian elephants have smaller ears
3. Over 100,000 individual muscles
4. Elephants use their trunks to suck up water and then spray it in their mouths
5. They use their trunks for eating, dusting themselves, and communicating with each other
6. Trumpet
7. 200-250 pounds per day
8. Elephants have a big impact by clearing forests, making large paths, and creating watering holes
9. They prune trees and create clearings
10. Watering holes

## **Ecosystem Changes Viewing Guide**

**Directions:** Before viewing the *You at the Zoo* video *Ecosystem Changes* read and respond to the “What I Already Know” Column of the *Ecosystem Changes* 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.

	<b>What I Already Know</b>	<b>What I Learned</b>
<b>1. What types of elephants are at the Cincinnati Zoo?</b>		
<b>2. What distinct difference enables us to tell the African and Asian elephants apart?</b>		
<b>3. How many muscles is the elephant’s trunk comprised of?</b>		
<b>4. How does an elephant drink water?</b>		
<b>5. How do elephants use their trunks?</b>		
<b>6. How else do elephants use their trunks?</b>		
<b>7. What is the noise that elephants make with their trunks called?</b>		
<b>8. How many pounds of food do the elephants eat per day?</b>		
<b>9. Why are elephants called landscape architects?</b>		
<b>10. What ecosystem changes do elephants create that are beneficial to other animals and humans?</b>		