# A Day at the Zoo

by ReadWorks



Zoe yawned as she entered the employee entrance of the Bronx Zoo. It was 6 a.m. and much too early for the recent college graduate to be wide awake. As she waited for her morning coffee to kick in, she watched the sun rise over the canopy of blooming trees that decorated the park grounds. It was her second week on the job as an animal keeper. After four years at university studying zoology, she finally landed a spot at one of the most famous zoos in the world. She thought of all the visitors that came from all over the world to wander around the grounds to see thousands of exotic and foreign animals.

"Zoe!" her supervisor, Carlos, called out. "Let's get going!"

She jolted up and out of her trance. "Coming!" she shouted back. She stuffed her things into her locker and pulled out her uniform-a simple pair of khaki pants and a white polo shirt. She yanked on her rubber boots and set off after Carlos. It was time for their morning rounds, during which they fed the animals and cleaned their habitats before the visitors arrived.

Zoe had specialized in behavioral ecology during her studies at university, so when she applied for a job at the zoo, she specified that she was very interested in the ways animals adapt their behavior to changing environmental factors. Zoe remembered hanging posters of endangered animals in her room as a child and hoped one day she would somehow be able to save them. Therefore, when she came to work at the zoo, she wanted to work in the exhibits of endangered species.

"Alright, you set out the food, and I'll start cleaning," Carlos said to Zoe. They had arrived at the snow leopard habitat after a short cruise in one of the zoo's several golf carts-a way in which the animal keepers traversed the 265 acres of the zoo. Zoe was still new to the job, so she was still thrilled by the rare opportunities it presented. She treasured the mornings she spent with Liya, the snow leopard, especially because Liya had just given birth to a cub named Leo.

Zoe could spend hours watching the mother and her cub. With light-gray fur speckled with large, black splotches, Leo was extremely playful-he spent hours running around the rocky habitat, prancing, falling, and teetering across narrow tree trunks with his big paws stumbling underneath him. Since snow leopards are usually most active in the early mornings and late afternoons, Zoe always got a show when she was assigned to their habitat at the beginning of the day.

As she laid out small rodents for the leopards to eat, Zoe tried to picture Liya and Leo in their natural habitat, far out in the mountains of Pakistan. Although it pained her somewhat to see the two majestic animals in such a limited space, she reminded herself that it was for the better. Snow leopards were at serious risk in their homelands as a result of poaching, a loss of habitat, and decreasing amounts of prey. Liya was originally rescued from the mountains when she was found alone after her family had been killed.

There are only somewhere between 3,500 and 7,000 snow leopards left in the wild. Since they are still being hunted for their pelts and bones, conservationists have set up cameras to watch the endangered animals in their natural habitats, which are found in Kyrgyzstan, Afghanistan, Tajikistan, China, and Pakistan. The snow leopard habitat at the Bronx Zoo is part of the Species Survival Plan Program, which helps to manage the species population around the world.

"You know, one day we'll have to say goodbye to these two," Carlos said, pointing at the mother and her cub, who was busy leaping from rock to rock, his fluffy tail trailing behind him.

"What do you mean?" Zoe asked.

"Well, once the government of Pakistan is able to ensure a safe habitat for the leopards, we'll have to send them back to their home," he explained.

Zoe knew the pair would be happier back in the snow-covered peaks of the Himalayas, but she would miss starting her days with them. Yet she also knew it would be a while until the government could guarantee a safe place for the leopards.

During her time at university, she had spent some time researching the snow leopards. Farmers in the high-altitude grasslands of the snow leopards' habitat had begun increasing their number of livestock. Because the livestock competed with the leopards' natural prey for resources, the population of the prey had decreased. As a result, the snow leopards had started to feed on the livestock, creating more interactions between leopards and humans. To protect themselves and their livelihood, humans often made this interaction fatal for the snow leopards. Zoe knew the government had to solve that problem before the snow leopards could be reintroduced to their natural habitat.

"Alright then, let's get moving," Carlos said. Zoe looked over to where she had dropped the rodents for the leopards' breakfast, and sure enough, they were gone. Liya lounged on a rock on her back while Leo tried to get her attention by walking on her stomach. He pawed at her and licked her face until she lazily got to her feet and chased after the prancing cub. Zoe laughed at the two and climbed into the golf cart next to Carlos. "On to the next one!" she exclaimed. As the sun climbed higher in the sky, the two animal keepers moved on to the next exhibit. It was just another set of rounds that would help ensure the safety of endangered species from all over the world.

## endangered

en - dan - gered

#### **Advanced Definition**

#### adjective

- 1. exposed to something that causes harm.
- 2. threatened with extinction, as a species of life.

### These are some examples of how the word or forms of the word are used:

- 1. Police in Cameroon recently began raiding hotels, houses, and airports, hoping to stop the illegal ivory trade in that country. Some nations in the basin have also established protected areas for elephants and other **endangered** animals.
- 2. Gorillas are critically **endangered** in the wild. "Everything we can learn about them helps toward protecting them," she says. "Now that we have these animals in captivity, it's our obligation to make sure they're in the best health they can be in."
- 3. Because of overhunting and habitat loss, tree kangaroos are **endangered**. In 2009, after Dabek and her team spent 10 years working with hunters and landowners on the Huon Peninsula, the community set aside more than 70,000 hectares (173,000 acres) of forest for conservation.
- 4. Of course, species can be threatened simply by changes in the weather. The U.S. Fish and Wildlife Service first placed polar bears on the **Endangered** Species List in 2008. Warmer temperatures in the Arctic have caused more ice to melt each summer, making it harder for them to survive
- 5. As you can see, cloud forests are extremely special places. But they are also very fragile and face a wide array of threats. Local poor people clear the forest so that they can grow subsistence crops. They also hunt **endangered** and threatened animals for meat, and cut down trees to heat their homes and cook.
- 6. During a drought in Kenya that lasted from 2007 to 2009, over 60 elephants died-some of dehydration, others of starvation due to lack of vegetation to eat, and others of diseases that became fatal due to the elephants' weakened states. Some other **endangered** animals, such as the white rhinoceros, died too, which brought them closer to extinction.
- 7. The Louisiana wetlands are home to a variety of animals, including alligators, snakes, turtles, coyotes, muskrats, armadillos, pelicans and egrets, among others. The wetlands are a crucial resource for many **endangered** species. In fact, more than onethird of the United States' threatened and endangered species live only in wetlands, and more than onehalf use the wetlands at some point in their lives for breeding, nesting or raising their young.
- 8. After a large storm in New York City in the early summer of 2012, flooding overwhelmed a few of the local water treatment plants. They became backed-up, pouring thousands of tons of sewage into nearby water channels. Luckily the waste didn't enter the water supply. It could the next time though. The plants' breakdown shows how even in highly developed cities with top-notch technology the water supply can become unpredictably **endangered** or unreliable.
- Deep inside a cave in eastern Oklahoma, a forestry manager stumbled upon a colony of Ozark bigeared bats. That was big news, because the bats are an **endangered** species. Scientists say that only 2,000 of the big-eared creatures are alive today.

### habitat hab · i · tat

#### **Advanced Definition**

#### noun

1. the natural environment of a plant or animal.

An animal may suffer if it is removed from its habitat.

2. a place of shelter or dwelling.

These structures provide temporary habitat for the victims of the disaster.

#### Spanish cognate

hábitat. The Spanish word hábitat means habitat.

#### These are some examples of how the word or forms of the word are used:

- 1. When the Earth's temperature changed, so did the **habitats** that animals lived in.
- 2. The wetlands are also essential to the state's fishing industry, providing a **habitat** for fish, shrimp, oysters and crabs.
- 3. However it happened, there may now be over 100,000 Burmese pythons in the Everglades. And since the climate in South Florida is similar to that of the snake's native **habitat** in Asia, it is perfectly suited to the environment. Therefore, it poses a risk all types of species who live there-even dogs and cats.
- 4. By covering grass with cement, we may force the animals that live there to move into another area. It is important to understand that we have to work to preserve the **habitat** of the native plants and animals in order to keep the ecosystem healthy.
- 5. Rainforests are well-known for being great **habitats** for animals and plants, as they get a lot of water, which all species need to survive.
- 6. Many years before the 19th century, these moths had been able to survive in their environment mostly because of their color. Their thin layer of skin, as well as their large wings, was mostly gray with a little bit of black "peppered" all around. This color was advantageous because the gray peppered moths were camouflaged when they stayed on graycolored areas on the sides of trees in their **habitat**.
- 7. Sometimes penguins can be seen at the zoo, but that isn't their natural **habitat**. Wild penguins are found only in the southern hemisphere. Most live within the polar region around Antarctica; however, some species of penguins live in the warmer climates of South Africa, New Zealand, and South America.
- 8. Aquariums and zoos attempt to mirror the complex ecosystems that have evolved in nature. If you visit a zoo in North America, you can see a lion living in a manmade **habitat** that reflects the ecosystem of its natural habitat in Africa or Asia.
- 9. Around the world, more than 125,000 animal species live entirely in freshwater **habitats**, including 15,000 species of fish, 4,300 species of amphibians, and 5,000 species of mollusks, such as clams and oysters.
- 10. There were also European chestnut trees and Asian chestnut trees. Though these trees are all part of the same species, their genes are quite different. This is because they evolved in different **habitats**, interacting with different species.

Name:	_ Date:
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- 1. Where does Zoe work?
  - A. the Bronx Zoo
  - B. the Brooklyn Zoo
  - C. the Queens Zoo
  - D. the Manhattan Zoo
- 2. What does the author describe in the passage?
  - A. how Pakistan's government is working to ensure a safe habitat for snow leopards
  - B. the different exotic and endangered animals at the Bronx Zoo
  - C. how Zoe got her job as an animal keeper at the Bronx Zoo
  - D. Zoe's interest in endangered animals
- **3.** Zoe has been interested in endangered species since she was a little girl. What evidence from the passage best supports this conclusion?
  - A. "Therefore, when she came to work at the zoo, she wanted to work in the exhibits of endangered species."
  - B. "Zoe remembered hanging posters of endangered animals in her room as a child and hoped one day she would somehow be able to save them."
  - C. "After four years at university studying zoology, she finally landed a spot at one of the most famous zoos in the world."
  - D. "When she applied for a job at the zoo, she specified that she was very interested in the ways animals adapt their behavior to changing environmental factors."
- 4. Why does Zoe treasure the mornings she spends with Liya and Leo?
  - A. because she gets to sleep in later
  - B. because she enjoys watching them interact
  - C. because she enjoys feeding them rodents
  - D. because she enjoys cleaning their habitat

- **5.** What is this passage mostly about?
  - A. an animal keeper who wants to protect endangered species
  - B. two snow leopards at the Bronx Zoo, Liya and her cub Leo
  - C. how Zoe got a job as an animal keeper at the Bronx Zoo
  - D. the problems faced by animals that live in captivity
- **6.** Read the following sentences: "With light-gray fur speckled with large, black splotches, Leo was extremely playful-he spent hours running around the rocky habitat, prancing, falling, and **teetering** across narrow tree trunks with his big paws stumbling underneath him."

As used in this sentence, what does "teetering" most nearly mean?

- A. listening closely
- B. moving gracefully
- C. walking unsteadily
- D. crying loudly
- **7.** Choose the answer that best completes the sentence below.

\_\_\_\_\_ Zoe will miss the snow leopards when they are returned to the Himalayas, she knows that it is for the best.

- A. On the other hand
- B. Therefore
- C. Finally
- D. While

8. What will happen to the snow leopards at the Bronx Zoo once the Pakistan
government can ensure a safe habitat for snow leopards?
9. What three things have threatened snow leopards in their natural habitats?
10. Explain how the actions of humans can both help and harm endangered species
such as snow leopards. Support your answer using information from the passage.

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- A. On the other hand
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- **8.** What will happen to the snow leopards at the Bronx Zoo once the Pakistan government can ensure a safe habitat for snow leopards?

Once the Pakistan government can ensure a safe habitat for snow leopards, the snow leopards at the Bronx Zoo will be returned to the wild.

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9. What three things have threatened snow leopards in their natural habitats?

Poaching, a loss of habitat, and decreasing amounts of prey have threatened snow leopards.

**10.** Explain how the actions of humans can both help and harm endangered species such as snow leopards. Support your answer using information from the passage.

Answers may vary and should be supported by the passage. Students should indicate that humans can help endangered species by protecting and taking care of them in zoos, then releasing them back into their natural habitat when it is safe to do so. Humans can harm endangered species by poaching them, taking over their habitat for farming or livestock, and decreasing the amount of prey that animals like snow leopards have available.