



## THE ONE AND ONLY IVAN VIDEO DISCUSSION

### Elephants in the Mall

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1. An elephant's trunk has no bone! Were you surprised to learn this? Do you think a cat's tail has bones? What about a dogs?
2. An elephant's teeth are flat so they can grind up fruits and leaves. What kind of teeth do you think a meat eating animal would have? Why?
3. Elephants need a lot of space, making malls less than ideal places for elephants. What other variables should you consider when deciding where an elephant could live? Why?
4. Elephants are very intelligent! They have strong memories as well as the capacity to feel loss. What other animals do you believe are very intelligent? Why?

### Five Facts about Elephants

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1. Elephants are able to use their ear capillaries to naturally cool down. What are some tactics humans use to cool down?
2. Elephants are able to sense each other from over a mile away just by stomping the ground! Why doesn't this work for humans?
3. Having thick skin prevents predators from digging into the body of an elephant. What are some other ways elephants are able to defend themselves from predators?

### Keeping Animals Happy

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1. Animals like the tortoise hide to help calm down and not feel stressed out. What are some ways you calm down and have fun?
2. UV light is important for tortoises like Hercules because the UV light replicates the nutrient-providing UV rays that they would normally get from the sun. What are some other ways that tortoises could get nutrients?
3. Hercules needs to take lots of long walks and graze in natural grass to stay happy and enriched. If you had a chance to take Hercules on a walk where would you take him? Why?
4. If a student wants to learn more about animals, museum director Khatri recommends going into biology or zoology. If you had a chance to study one of the many scientific fields what scientific field would you choose? Why?

## Cosley Zoo

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1. It is important to consider the size and needs of an animal when building an enclosure for them. If you got to pick any animal in the world to have, what animal would you pick? What kind of enclosure would you build it? Draw a picture on the back of this sheet.
2. Animal husbandry is a way of considering the needs of an animal. What are some needs that are important to consider when building an enclosure?
3. The Cosley Zoo focuses on animals that can be found specifically in Illinois, so that visitors can see animals that may be in their own backyards. What animals have you seen running around your backyard? Why do you think the animals you see around your neighborhood live in your state?

## Enriching Animals Lives

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1. Animals at the Cosley Zoo usually have had some form of injury or dependency on humans. Why is developing a dependency on humans bad for an animal?
2. Each animal requires a different kind of enrichment. Pick three animals and describe what enrichments they may be interested in.
3. Wiley the coyote is working to become more comfortable around veterinarians. What are some ways zoo-keepers could teach Wiley to not fear the veterinarian?

*STEM Read and SmartSpace@NIU are part of Northern Illinois University's STEAM Works Initiative.*

