

**Teacher Resources for**

**Third through Sixth**

**Grade-English**



## TEKS for Animals at the Cameron Park Zoo

### 1. Asia

- a. Tiger - Science/Math
  - i. Science: K.13B: Identify different structures of animals (Hearing and Eyesight)
  - ii. Math: 5.9A: Ratios (1 tiger today is = 25 tigers in 1850)
- b. Orangutan - Math/Science
  - i. Math: 2.4B: Subtraction (97% of human DNA to 100% human DNA)
  - ii. Science: 3.13A: External structures of animals (Long Arms)

### 2. Africa

- a. Giraffe - Science
  - i. Science: 2.13B: Structure of animals to get food (Leaves from trees)
  - ii. Science: 3.13A: External structures of animals (Long Necks)
- b. Elephants - Science
  - i. Science: K.13B: Identify different structures of animals (Hearing)
  - ii. Science: 5.13A: Two animals living in the same environment (Elephants and Termites)
- c. White Rhinos - Math
  - i. Math: K.2A: Counting Up (Counting Horns)
  - ii. Math: 5.7A: Conversions (250 pounds of grass = 10 trash bags)

### 3. Penguin Shores

- a. African Penguins - Math
  - i. Math: 2.4B: Counting Up (Counting how many)
  - ii. Math: 6.4C: Ratios (150 pounds= 21 Pounds)

### 4. Herpetarium

- a. The Building - Science
  - i. Science: 1.13A Living and Nonliving (Scavenger Hunt)
  - ii. Science: 5.12A: Abiotic/Biotic Ecosystems (Scavenger Hunt)

### 5. Brazos River Country

- a. Otter - Science

- i. Science: 2.13B: Structure of animals to get food (Blindness impacting food)
  - ii. Science: 3.13A: External structures of animals (Webbed Feet)
- b. Aquatic Animals - Science
  - i. Science: 1.12B Living and Nonliving (Scavenger Hunt)
  - ii. Science: 5.12A: Abiotic/Biotic Ecosystems (Scavenger Hunt)
- c. Bison - Social Studies
  - i. Social Studies: 2.2A: Theodore Roosevelt
  - ii. Social Studies: 4.1A: Native Americans

## **6. South America**

- a. Galapagos Tortoises - Math
  - i. Math: K.2A: Counting Up (Counting Legs)
  - ii. Math: 5.3A: Adding Real World (Calculating Weight of 3 Tortoises)
- b. Bald Eagle - Social Studies
  - i. Social Studies: 2.11D National Bird
  - ii. Social Studies: 5.14A Declaration of Independence



# CAMERON PARK ZOO MAP







This book belongs to:

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Math: TEKS 5.9A

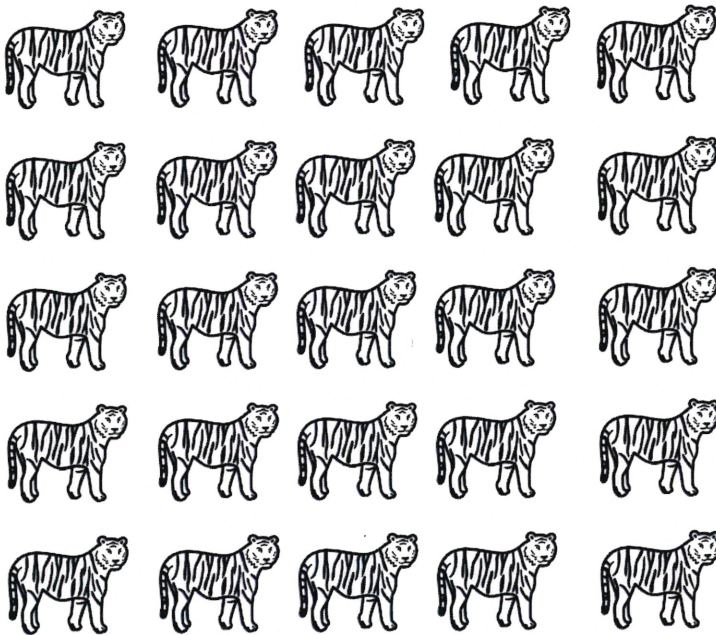
# SUMATRAN TIGER

For every 25 tigers that were alive in 1850, only one is alive today.



**1850**

**2024**



Write a fraction that would describe the amount of tigers alive today compared to the amount of tigers alive in 1850.

If a tropical rainforest in Thailand had 100 tigers in 1850, approximately how many would it have today?



# BOREAN ORANGUTAN



What do you notice about the orangutan's body?

What do you notice about their environment?

Record your observations below.

Physical Features	Environment

In the wild, orangutans live in rainforests. How might an orangutan's long arms help them in their habitat?

# MASAI GIRAFFES

Giraffes are about 18 feet tall once they are full adults. With this height, giraffes usually get their food from higher grounds. The giraffe tongue is long and is able to pull leaves and twigs into their mouths

Which of these of plants do you think giraffes eat:

King Protea



Acacia Tree



Aloe Vera



Why did you decide these plants?

What about the giraffe makes it easy to eat that tree?

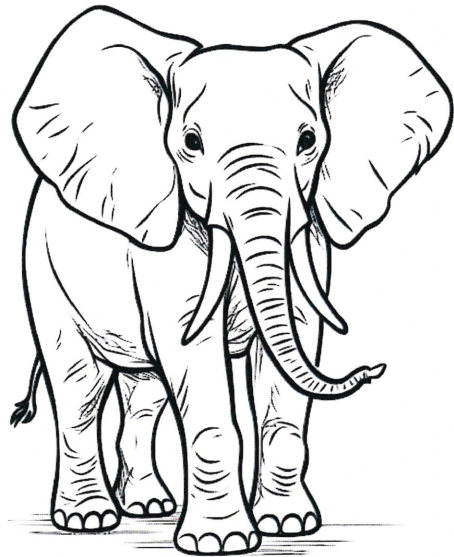
Share your thoughts:



# AFRICAN ELEPHANT



Find the sign titled "Termite Mounds" next to the elephant habitat.

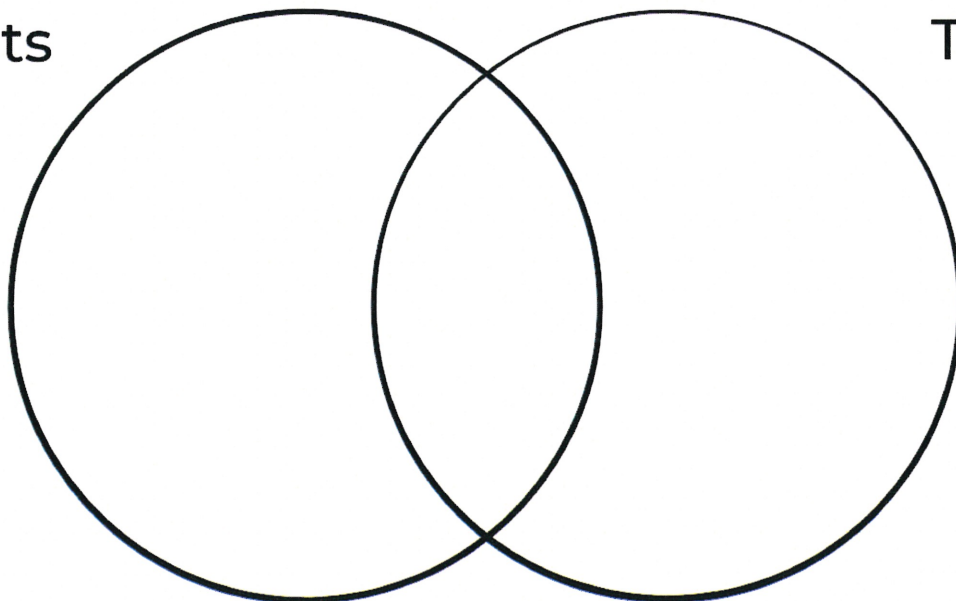


Name one way that elephants and termites benefit from living in the same ecosystem.

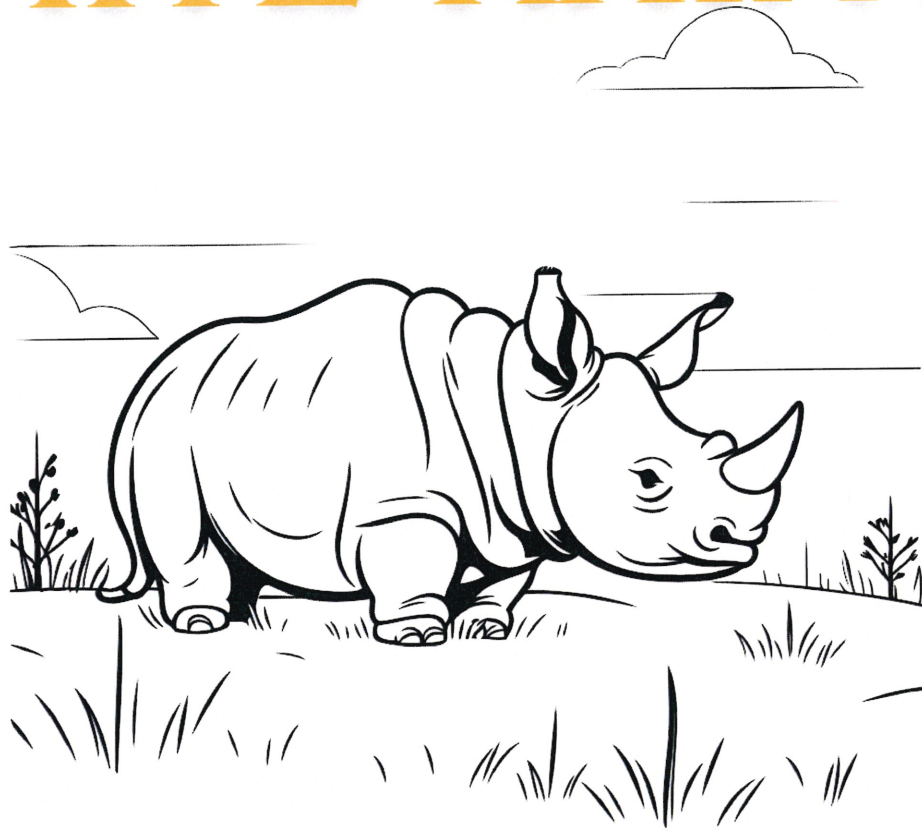
Complete the venn diagram by listing the similarities and differences between elephants and termites.

Elephants

Termites



# WHITE RHINOS

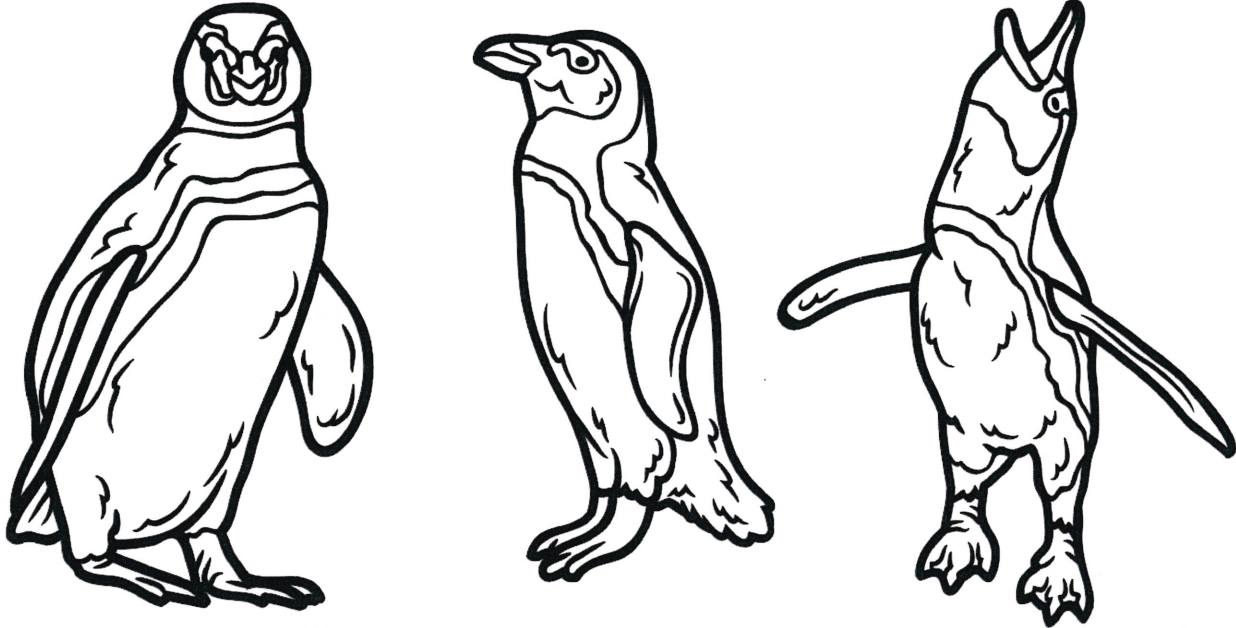


White rhinos can eat up to 250 pounds of grass a day! How much grass do white rhinos eat in ounces?

**1 pound= 16 ounces**



# AFRICAN PENGUINS

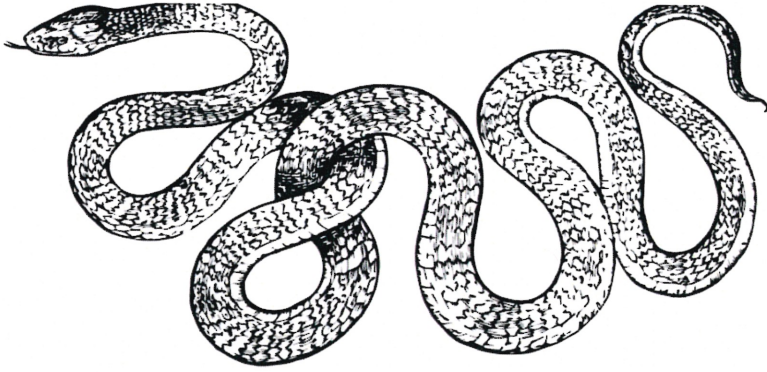


African penguins eat almost 14% of their body weight each day! For a 150 pound person, that would be like eating 21 pounds of food a day.

**150: 21**

Use this ratio to calculate how many pounds of food a 100 pound person would need to consume to eat 14% of their body weight.

# HERPETARIUM



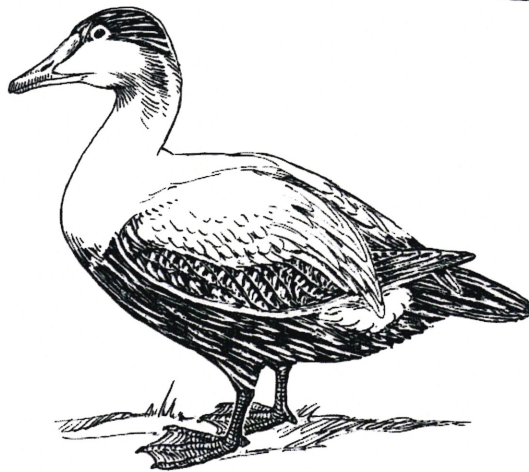
Observe your surroundings. List as many biotic and abiotic factors that you can see.

Biotic Factors	Abiotic Factors



# RIVER OTTERS

Each of these animals have webbed feet.



What type of environment do all these animals spend time in?

How would webbed feet help these animals?

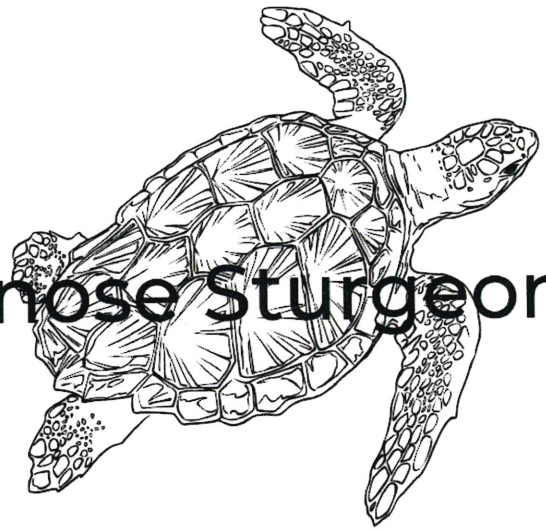
# FRESHWATER AQUARIUM



Scavenger hunt! Search for the animals listed below. When you find it, cross it off!

Paddle Fish

Shovelnose Sturgeon



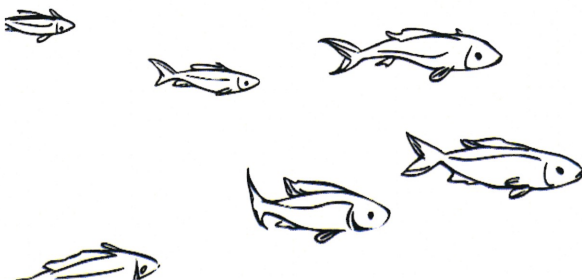
Spotted Gar

Bowfin



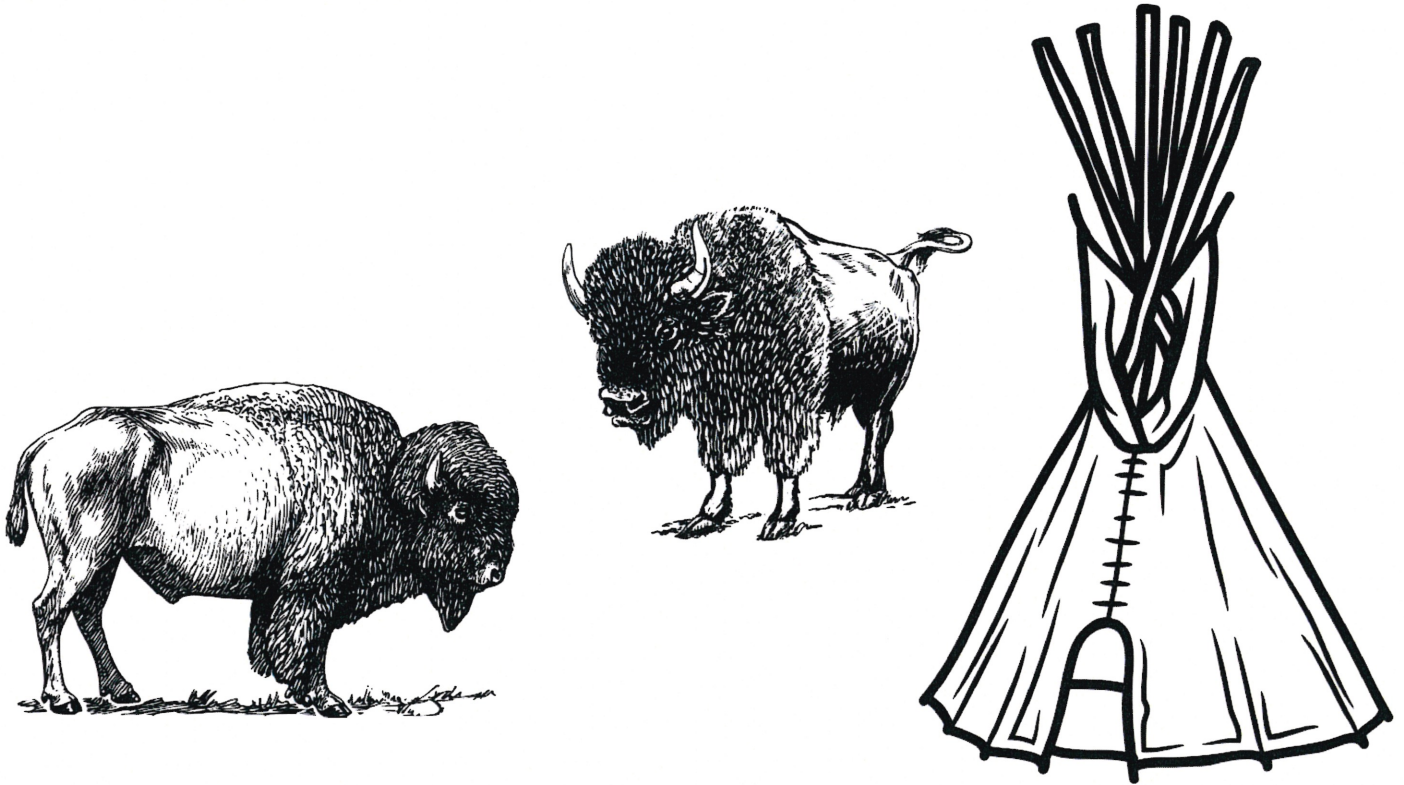
Bigmouth Buffalo

Freshwater Mussels





# AMERICAN BISON



The Brazos River Country was once home to many Native American tribes. Many tribes would follow herds of bison because it was their main source of food.

**How were tipis helpful for the Native American's nomadic lifestyle?**

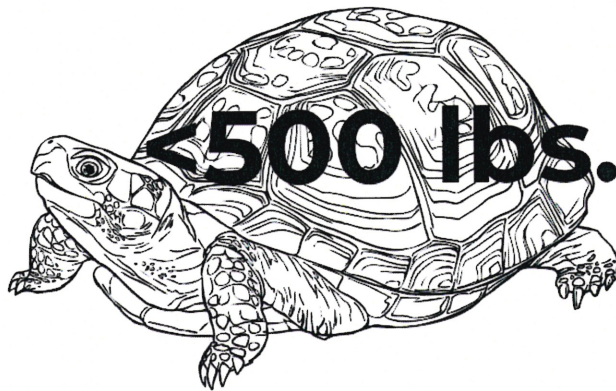
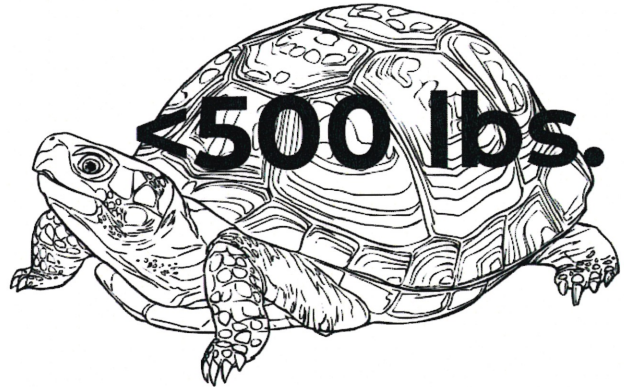
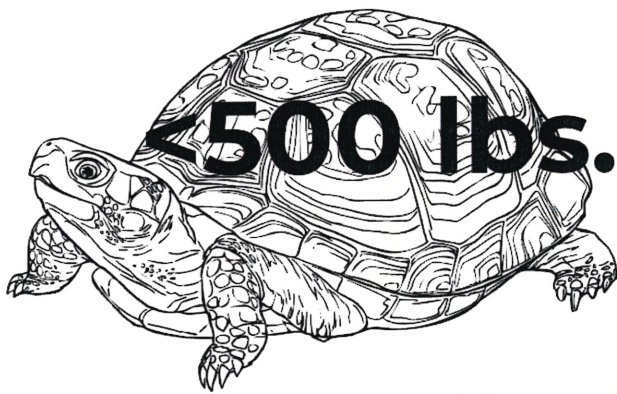
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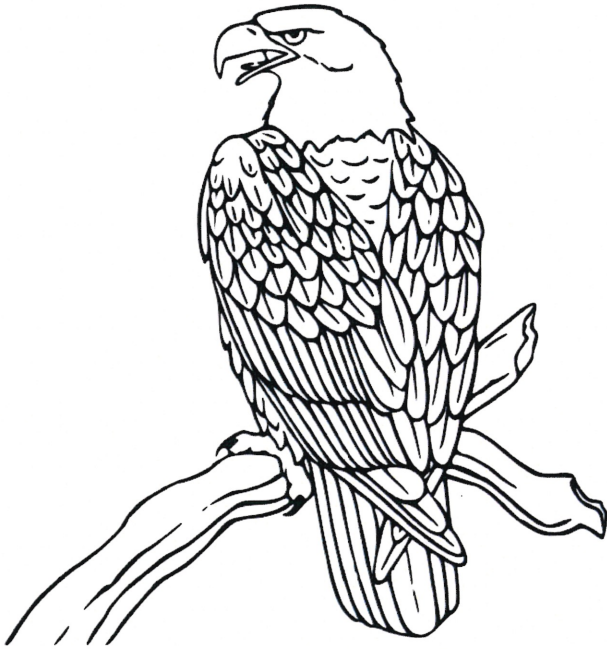
# GALAPAGOS TORTOISE



Each Galapagos tortoise weighs over 500 pounds.  
Approximately how much do the tortoises weigh in total?

What about 20 Galapagos tortoises?

# BALD EAGLE



Bald Eagles have a wingspan of 7-8 feet, powerful hind claws, the ability to soar high above other birds. They are also very independent creatures.

Based on this information, why do you think our Founding Fathers chose the bald eagle as the national bird? How could this animal symbolize the American beliefs in freedom and strength?