

1st-2nd Grade: Brilliant Bird Bodies







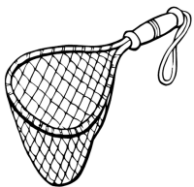
Students will compare bird body parts and their functions, as well as how some human objects are inspired by birds.

Description: Bird body parts are different shapes, colors, and sizes, and they function in different ways to help birds find and eat food and move around. People can use bird adaptations to help themselves too!

Locations at Zoo: Birds of the World, Swan Lake, Night Hunters, bald eagles, Steller's sea eagles, Andean condors, African Penguin Point, African savannah, flamingos, little blue penguins, etc. Note that some outdoor habitats may be not open year-round.

Materials: Pencil, clipboard

1. Find birds in the Zoo whose beaks look similar to one of the tools. Write down the name of the bird, its location in the Zoo, and what you think the bird eats. One has already been done for you.

 Spoon: Curved, shallow	Bird: Mallard Duck Location: Swan Lake Eats: I think this bird eats pond plants 
 Spear: Long, straight, sharp	Bird: Location: Eats:
 Pliers: Short, thick, strong	Bird: Location: Eats:
 Net: Wide, deep, flexible	Bird: Location: Eats:

2. Find the bald eagles or Steller's sea eagles. Both are near the Reptile House.

In the space below, draw a tool that people use that is the same shape as an eagle's beak.



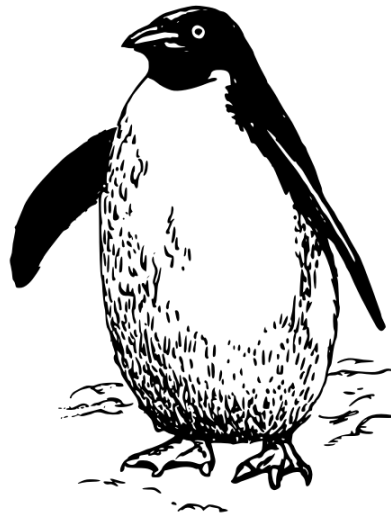
3. What type of food do you think eagles eat? _____

4. Find the fruit bats or vampire bats in Night Hunters. Bats are mammals, not birds. How are bats similar to birds? How are they different from birds?

Ways they are <u>similar</u> :	Ways they are <u>different</u> :
1.	1.
2.	2.

5. Penguins cannot fly, but they do have wings. How do you observe the penguins at the Zoo using their wings?

6. Draw on this penguin how you would change its body to help it fly. (Hint: Think of birds that can fly, and how their bodies look different.)



7. Notice how the airplane has a similar shape as the bird. People were inspired by birds to help airplanes fly. Can you think of something else that people use that may have been inspired by bird body parts? Draw it below.



What bird body part does it use? _____