



1

READER

Foundations

D
LEVEL

The Arctic and the Antarctic

Polar Opposites





The Earth is shaped like a **sphere** or a ball. At the top is the North Pole. The area around the North Pole is called the Arctic.



At the bottom is the South Pole. The area around the South Pole is called the Antarctic. *Ant-* means opposite. The Arctic and the Antarctic are polar opposites.



2

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Foundations

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Baby Birds



Denise Eide

LogicofEnglish®



Duck hatching

Baby birds begin life in an egg. To get out of the egg, a baby bird must use its **hatching tooth**. A hatching tooth is a special bump on their beak used to break open the shell.



Duck hatching

They move the hatching tooth back and forth inside the shell until it cracks. Do you see the hatching tooth?



3

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Foundations **D** LEVEL

Bears, Bears, and More Bears

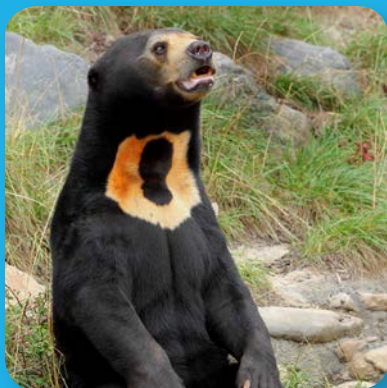


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Sloth Bear



Sun Bear



Giant Panda Bear



Asian Black Bear

There are eight kinds of bears in the world. All bears are large, powerful animals.



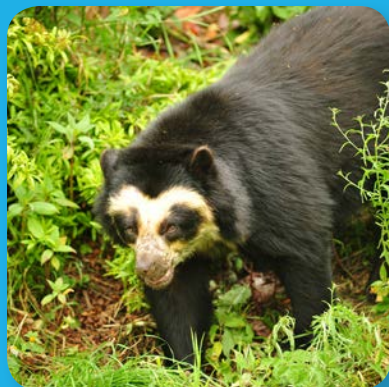
Brown Bear



Polar Bear



American Black Bear



Spectacled Bear

Bears have a short tail and five toes on each foot. All bears can stand up on their back legs.

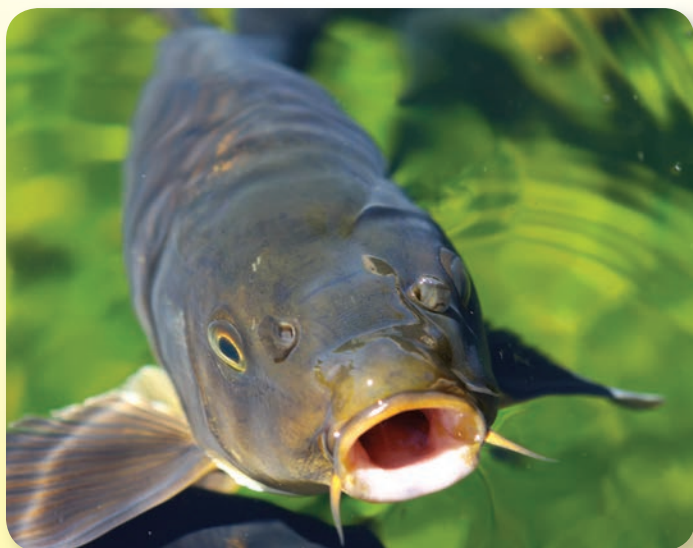


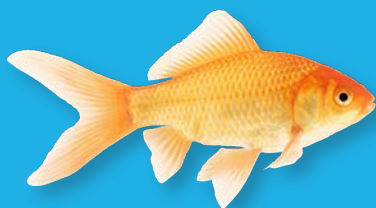
Foundations

D
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Carp

Unexpected Consequences





Goldfish



Koi



Silver Carp



Mirror Carp

The carp **family** is the largest family of fish with over 2,400 **species** (spē shēz).



Common Carp



Grass Carp



Bighead Carp



Mud Carp

All carp have some things in common. However, there are also differences between each of the species.



5

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Foundations **D** LEVEL

My Nest is Best!

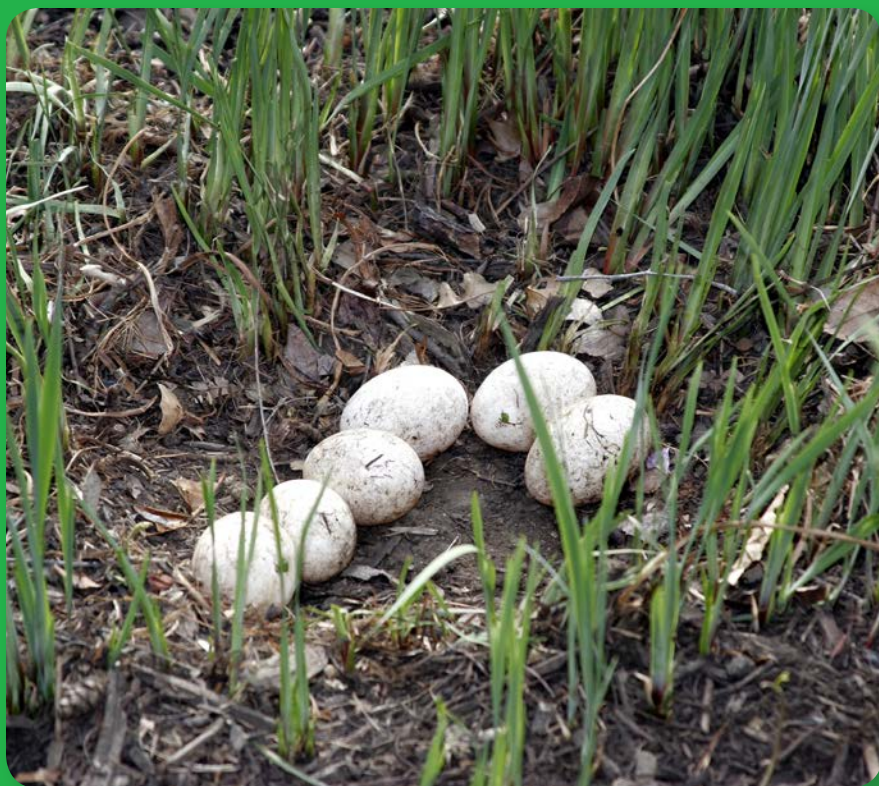


Miriam Eide

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Birds must find a warm, safe place to raise their young. Each species has a favorite place to lay their eggs. As you read, guess what kind of bird builds each nest.



To build my nest, I scrape a small hole in the ground. This is called a scrape nest. My nest has very little lining. While I find food, the heat of the earth keeps my eggs warm.

Glossary

burrow – hole or tunnel in the ground made by an animal.

predator – an animal that hunts another animal for food.

prey – an animal that is hunted by another animal for food.



6

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Foundations **D** LEVEL

Frog or Toad?



Miriam Eide

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Many people do not know that all toads are frogs. But be careful! Not all frogs are toads.

Life in the Water



Eggs



Tadpoles

Life on Land



Adults



All frogs are amphibians. *Amphi* means both and *bian* comes from the root *bio*, which means life. Amphibians live both on water and on land. They spend part of their life in each environment.



7

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Foundations

Many Kinds of Feet

D
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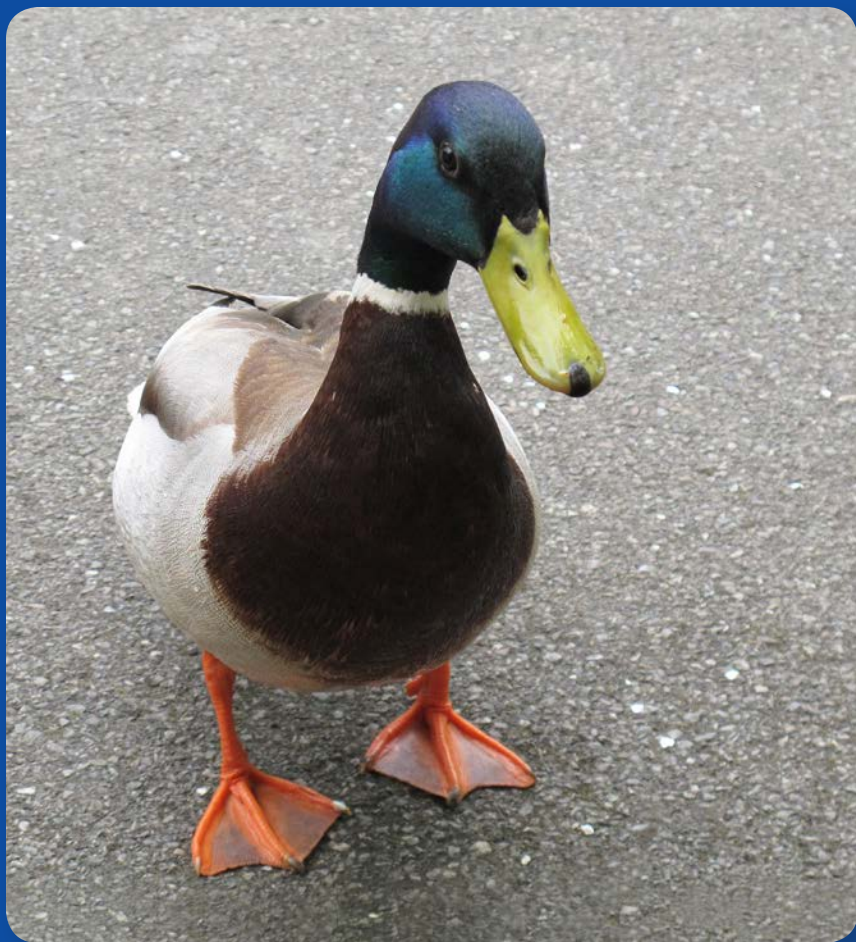


Different types of animals have different types of feet. Animals' feet are specially **adapted** to help them live in particular habitats, catch their prey, and get away from their predators.



My feet are adapted for life in the water. I have feet with three connected toes. Feet with connected toes are called **webbed** feet. Webbed feet help me to swim fast. I find much of my food in the water. I can use my feet to walk on land. But I cannot perch in a tree like other birds.

What am I?



I am a duck!



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Foundations

Mouse and Mole

D
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Mice and moles are different from one another. They have different habits and appearances. To begin with, mice usually live above ground.



Moles, on the other hand, live in tunnels below ground.