#### Activity 1

### Adaptations: A Matter of Survival

Teacher-led Classroom Activity Life Science, Reading, Reasoning

How are animals' physical characteristics related to their habitats and behaviors?

#### **Objective:**

Students match descriptions of animals' physical and behavioral characteristics to adaptations that help those animals survive, and then identify the animals.

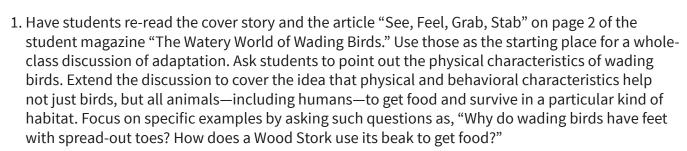
#### Students will need:

- "Adaptations Match Challenge" reproducible (one for each students)
- Pencils

#### **Suggested time:**

20 minutes

#### What to do:



- 2. Distribute copies of the reproducible "Adaptations Match Challenge."
- 3. After students have completed the activity, review the answers and discuss the specific examples of adaptations introduced. Broaden the discussion by inviting students to describe other examples of adaptations in birds and other animals.

#### **Extension:**

Have students conduct research to learn about wading bird species that inhabit the local area. They can then create field guide presentations giving detailed information about the birds they've identified.



# Audubon adventures

Name:				
Date:				

## Adaptations Match Challenge

Each clue below starts with an animal describing itself. Find an adaptation in the list of adaptations that would help that animal survive. Write the letter of the adaptation in the space provided. Then look at the list of animals and write the name of the animal described by each clue.

		_	0
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Ciues	
teeth and claws of	t, and my body could easily be hurt by the strong big predators. I need to be able to protect myself brey that is stronger and faster than I am.
Adaptation:	Animal:
_	nat it's impossible for me to run away from a good way to protect myself when a predator
Adaptation:	Animal:
3. I build my home fr	om trees and branches I cut myself.
Adaptation:	Animal:
4. I drink nectar for for that's deep inside	ood. I have to be able to get the sweet liquid flowers.
Adaptation:	Animal:
	fe underwater. I have to be fast to catch my food om predators that think I'm food.
Adaptation:	Animal:
_	place. I have to stay warm even while I'm hunting I have to blend in, too.
Adaptation:	Animal:
7. I find my food in sheathers dry.	nallow water, but I don't swim. I like to keep my
Adaptation:	Animal:
8. I can fly, but I catc swimmer.	h my food in water, so I have to be a good
Adaptation:	Animal:
	y time underground, digging my way through the orms and insects to eat.
Adaptation:	Animal:

#### **Adaptations**

- A. Feet with sharp claws that work like shovels
- **B.** Long, tube-like beak that works like a straw
- C. Highly developed brain that makes it possible to design, build, and use all kinds of tools, machines, and structures
- D. Body covered by a very hard shell into which head and legs can be pulled
- E. Webbed feet that work like paddles
- **F.** Long legs and long neck
- **G.** Streamlined body that moves easily through water
- H. Large, sharp teeth for gnawing through wood
- I. Hollow-shafted white fur that collects heat from the sun

#### **Animals**

- Human being
- Duck or other bird with webbed feet
- Mole, armadillo, or woodchuck
- Wading bird
- Turtle or tortoise
- Fish, seal, or whale
- Beaver
- Polar bear
- Hummingbird