

Life Cycles

Lessons 1–2

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Life Cycles

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Life Cycle of a Cat

- All animals have a life cycle.
- A life cycle is all the times of the animal's life.
- This is a cat's life cycle.



- ▶ A kitten grows to be an adult.
- ▶ The adult has its own young.
- ▶ A new life cycle begins.



3

▶ young cat about
6 months old



4

▶ adult cat

Life Cycle of a Frog

- ▶ This is a frog's life cycle.
- ▶ Mother frogs lay eggs.
- ▶ Young frogs, or tadpoles, hatch from eggs.

1 frog eggs



2 tadpole



- ▶ The tadpole grows and changes.
- ▶ It becomes a fully grown frog.
- ▶ Then it can have young.
- ▶ A new life cycle begins.



3

▶ growing
tadpole

4

▶ frog



Life Cycle of a Butterfly

- ▶ This is a butterfly's life cycle.
- ▶ A butterfly begins life as an egg.
- ▶ A larva, or caterpillar, hatches from the egg.
- ▶ The larva becomes a pupa.

1

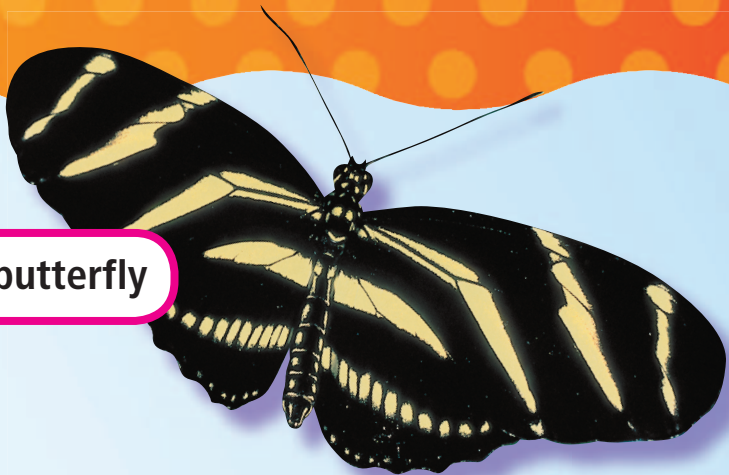
egg



2

larva





adult butterfly

- ▶ The pupa makes a hard covering.
- ▶ It changes inside the covering.
- ▶ A butterfly comes out of the covering.
- ▶ The butterfly can have its own young.

4

butterfly coming out

3

pupa

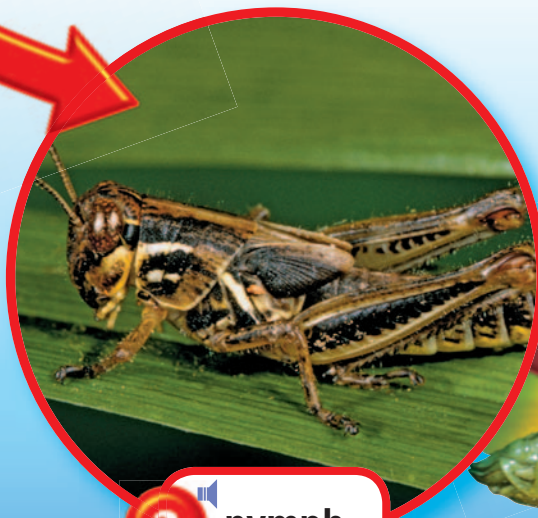
Life Cycle of a Grasshopper

- ▶ This is a grasshopper's life cycle.
- ▶ A grasshopper begins life as an egg.
- ▶ The young grasshopper, or nymph, hatches.
- ▶ The nymph does not have wings.



1

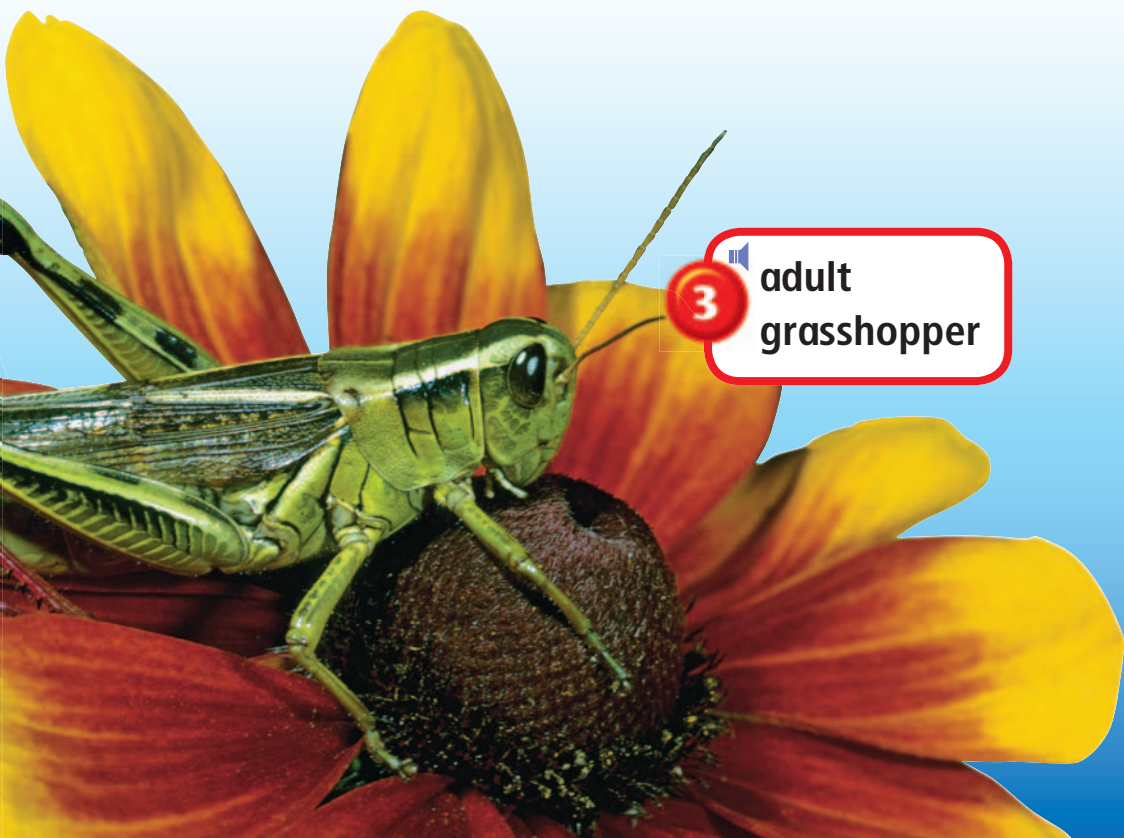
grasshopper
eggs



2

nymph

- ▶ The nymph gets bigger.
- ▶ Wings grow.
- ▶ The grasshopper becomes an adult.
- ▶ It has young. A new life cycle can begin.



3

▶ adult
grasshopper

Animals Are Like Their Parents

- Animals have young that are like them.
- Young animals look like their parents.
- The way they look is their appearance.
- This young dolphin is like its parent.



- ▶ Young animals act like their parents.
- ▶ They eat the same kinds of foods.
- ▶ They move in the same way.
- ▶ The young giraffe is like its parent.



Animals Are Different from Their Parents

- Animals are not just like their parents.
- They may look a little different.
- They may act a little different.
- Young cows are not just like their parents.

cows



Yorkshire terrier



poodle



puppies

- ▶ Animals have two parents.
- ▶ The parents may be very different.
- ▶ The young may be like both parents.
- ▶ Or, they may be more like just one parent.

More Animals, More Differences



 Koi

- Animals of one kind may live in a group.
- There may be many parents and young.
- So, the animals may look very different.
- The more animals there are, the more differences.

Animals and the Environment



- ▮ The environment affects animals.
- ▮ It may affect how animals look.
- ▮ It may affect how they act.

🔊 **Vocabulary**

- 🔊 **adult, p. 3**
- 🔊 **appearance, p. 10**
- 🔊 **egg, p. 4**
- 🔊 **environment, p. 15**
- 🔊 **larva, p. 6**
- 🔊 **life cycle, p. 2**
- 🔊 **nymph, p. 8**
- 🔊 **pupa, p. 6**
- 🔊 **tadpole, p. 5**

Think About the Reading

-  **1.** What questions do you have after reading this book?
-  **2.** How can you find the answers to these questions?

Hands-On Activity

-  **1.** Find a picture of an animal.
-  **2.** Draw a picture that shows what its parent might look like.

School-Home Connection

Tell a family member what you have read about animals. Talk with the family member about the kinds of animals you have seen.