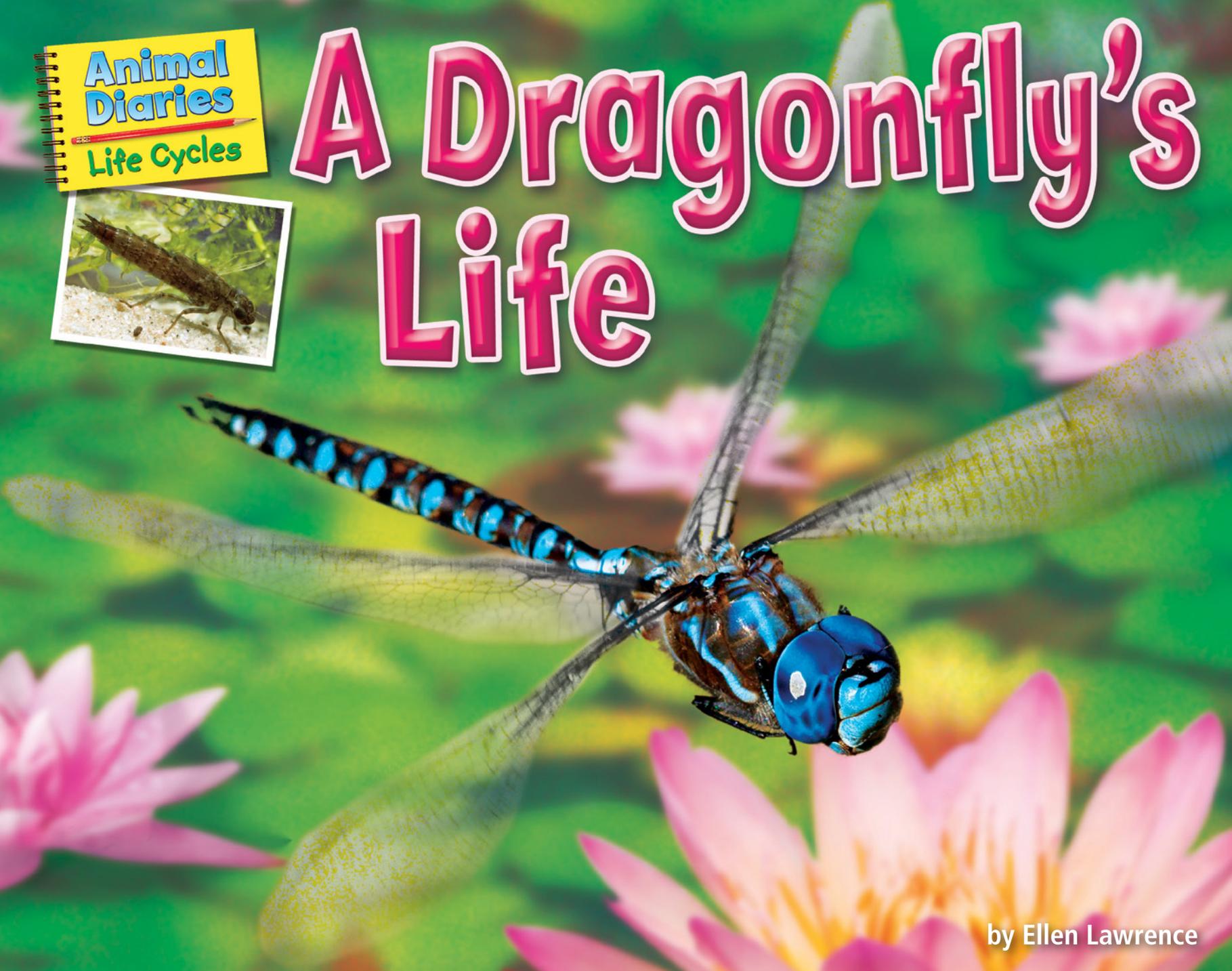


**Animal
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Life Cycles

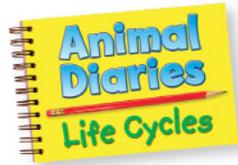


A Dragonfly's Life



by Ellen Lawrence

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A Dragonfly's Life

by
Ellen Lawrence

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Contents

Watching Dragonflies.....	4
Dragonfly Eggs.....	6
Time to Hatch	8
All About Nymphs	10
A Growing Nymph	12
A Nymph Goes Hunting	14
An Amazing Day	16
A Dragonfly Goes Hunting.....	18
A Dragonfly's Life	20
Science Lab	22
Science Words	23
Index	24
Read More.....	24
Learn More Online	24
About the Author	24

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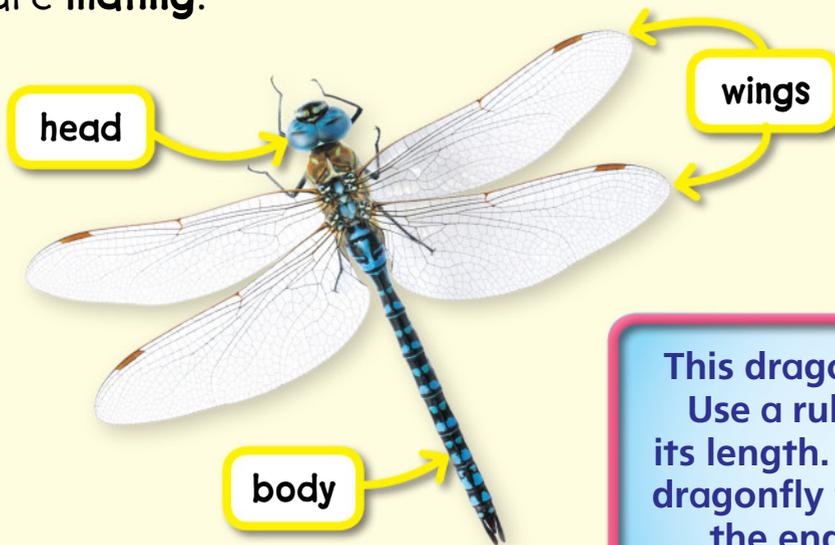
Date: June 1

Watching Dragonflies

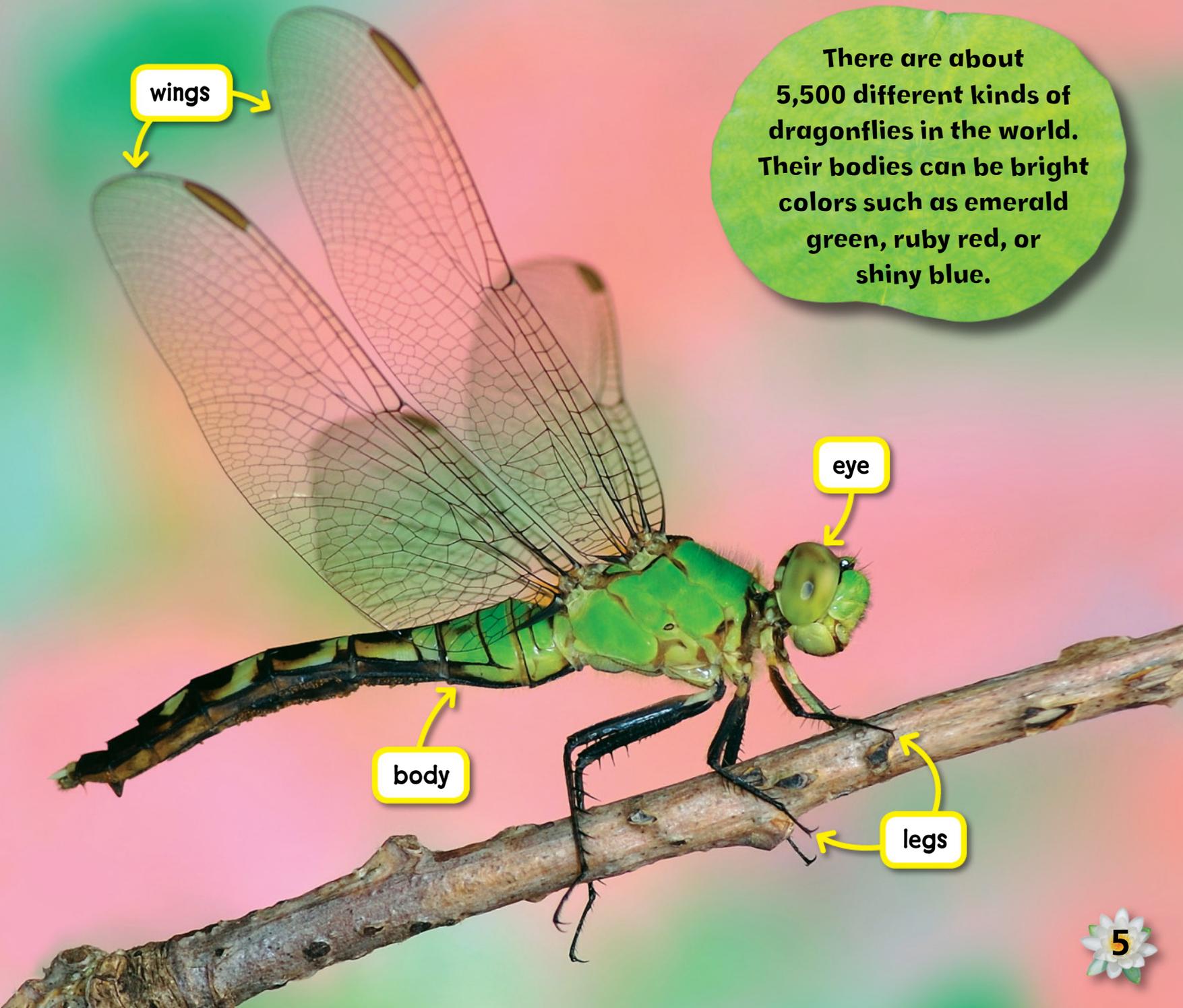
Today, I watched dragonflies at the lake near my grandpa's house.

Dragonflies are colorful flying **insects** with four wings.

It's spring, and the dragonflies are **mating**.



This dragonfly is life-size. Use a ruler to measure its length. How long is the dragonfly from its head to the end of its body? How long are its wings?



wings

eye

body

legs

There are about 5,500 different kinds of dragonflies in the world. Their bodies can be bright colors such as emerald green, ruby red, or shiny blue.

Date: **June 2** _____

Dragonfly Eggs

Grandpa says that after mating, some kinds of female dragonflies lay their eggs in water.

Others lay their eggs on plants near lakes and ponds.

Today, I saw a female dragonfly laying her eggs at the lake.

She held onto the leaf of a water plant.

Then she dipped the tip of her body into the water and let the eggs come out.



lake

A close-up photograph of a female dragonfly perched on a green plant stem in a pond. The dragonfly has a green body and four large, transparent wings with intricate vein patterns. Its abdomen is curved downwards, and it is depositing a cluster of small, brownish eggs onto the stem. The water in the pond is clear, and the dragonfly's reflection is visible below. A yellow callout box with a white border and a yellow arrow points to the dragonfly's abdomen. A green speech bubble in the upper right corner contains text about dragonfly egg-laying habits. A small white flower icon with the number 7 is in the bottom right corner.

a female dragonfly
laying eggs

**A female dragonfly
lays hundreds of eggs
at a time. Then she flies
away. She does not
take care of the eggs
or her young.**

Index

- breathing** 8–9, 18
colors 5, 12–13, 14
eggs 6–7, 8–9
enemies 12–13, 20
exoskeleton 10–11, 16–17
eyes 5, 11, 15, 18
female dragonflies 6–7
- flying** 4, 16, 18, 20–21
food 14–15, 18–19
gills 8
hatching 8–9
hunting 14, 18–19
legs 5, 10–11, 13, 17, 18
mating 4, 6, 20
- molting** 11
mouthparts 14–15
nymphs 8–9, 10–11, 12–13,
14–15, 16–17, 20
speed 20
wings 4–5, 10, 12–13, 16–17, 18

Read More

Allen, Judy, and Tudor Humphries. *Are You a Dragonfly? (Backyard Books)*. Boston: Kingfisher (2004).

Murray, Julie. *Dragonflies (Big Buddy Books: Insects)*. Edina, MN: ABDO (2011).

Smith, Molly. *Speedy Dragonflies (No Backbone! The World of Invertebrates)*. New York: Bearport (2008).

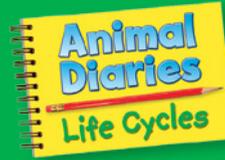
Learn More Online

To learn more about dragonflies, visit www.bearportpublishing.com/AnimalDiaries

About the Author

Ellen Lawrence lives in the United Kingdom. Her favorite books to write are those about animals. In fact, the first book Ellen bought for herself, when she was six years old, was the story of a gorilla named Patty Cake that was born in New York's Central Park Zoo.

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A Dragonfly's Life

One spring day, Joseph was at his grandpa's house where he watched colorful dragonflies fill the sky. His grandpa explained that it was mating time, and the female dragonflies would be laying their eggs soon. The very next day, Joseph saw dragonfly eggs in a nearby lake. He decided to follow the dragonflies for the next few months and to write about what he saw in his diary. When you read it, you'll be amazed to discover how the eggs in the water eventually become beautiful grown-up dragonflies.

A Bird's Life

A Butterfly's Life

A Chameleon's Life

A Dragonfly's Life

A Frog's Life

A Kangaroo's Life

A Snake's Life

A Spider's Life

A Wolf's Life

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