

COMING FALL 2010
PBS
KIDS

THE **CAT** IN THE **HAT**
Knows a Lot About That!



The Cat in the Hat's Learning Library™

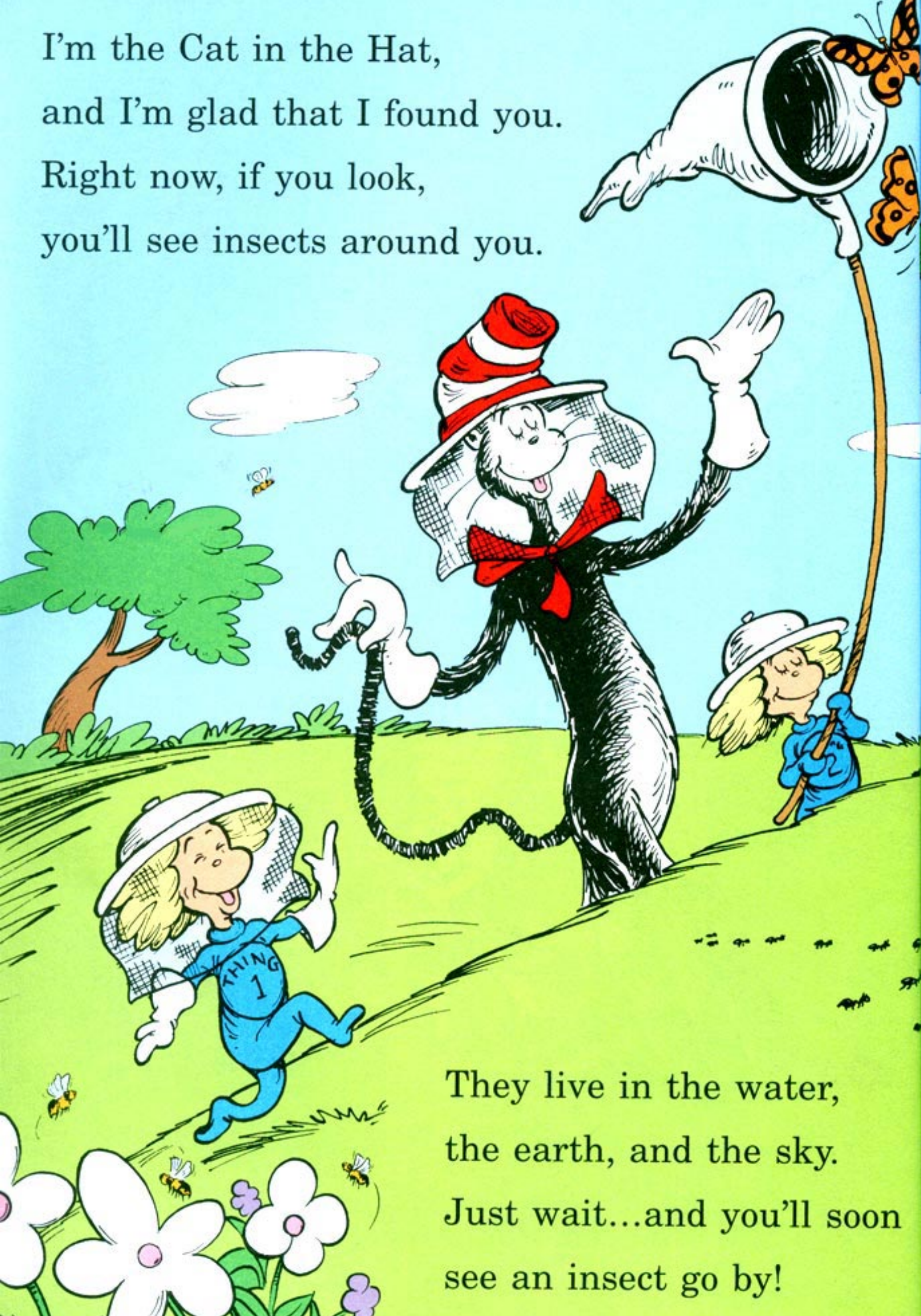
On Beyond Bugs!

All About INSECTS

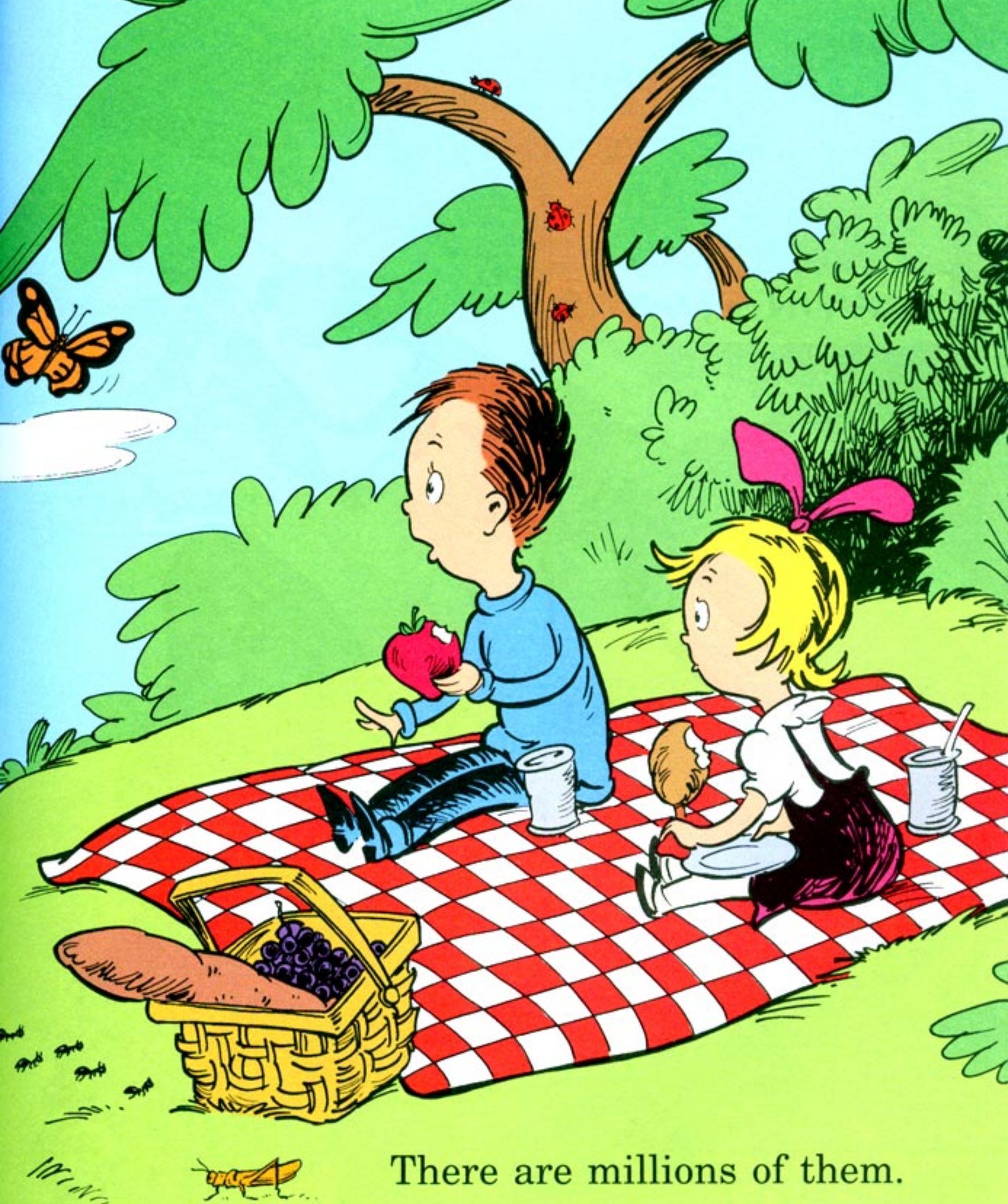


by Tish Rabe
illustrated by
Aristides Ruiz

I'm the Cat in the Hat,
and I'm glad that I found you.
Right now, if you look,
you'll see insects around you.



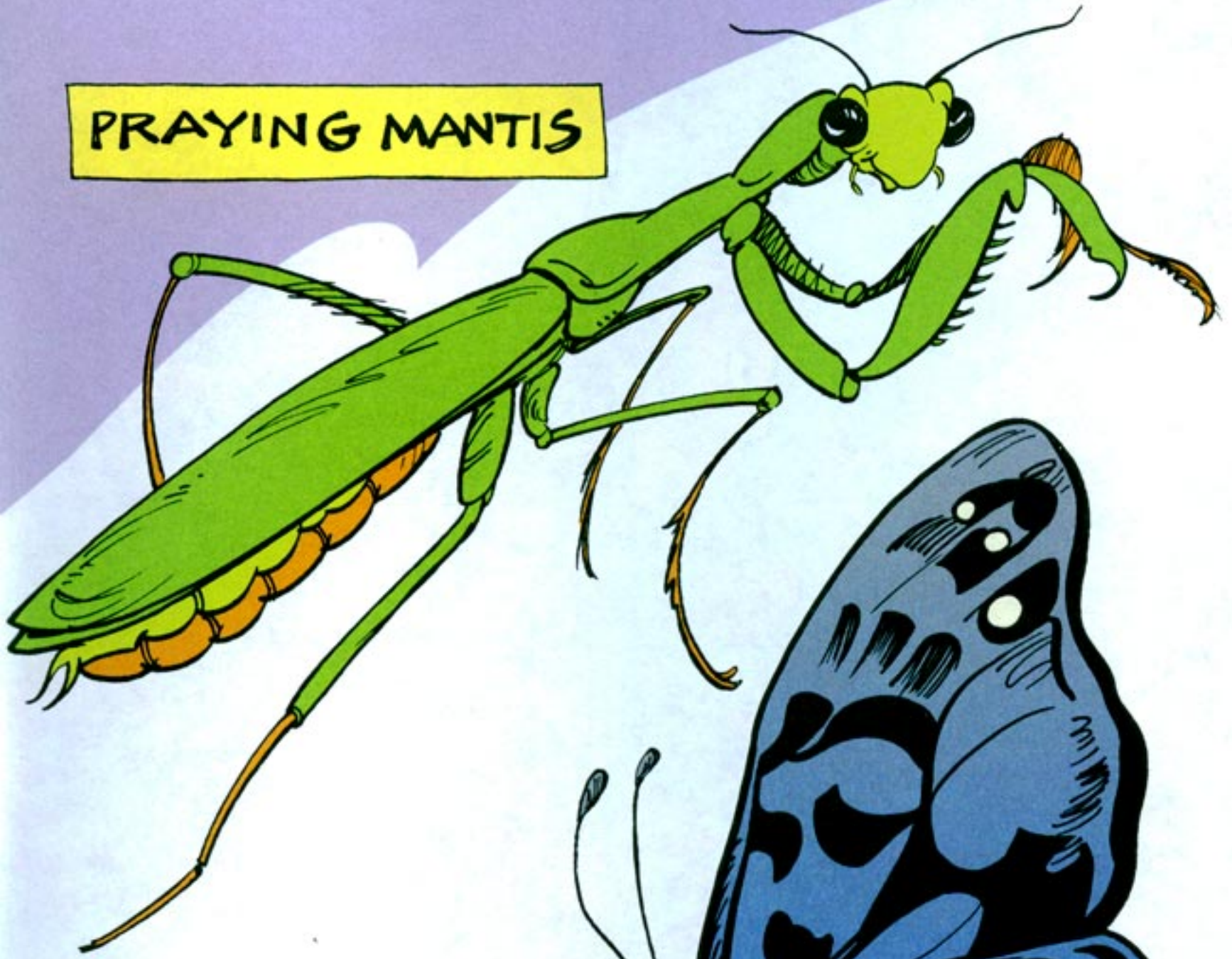
They live in the water,
the earth, and the sky.
Just wait...and you'll soon
see an insect go by!



There are millions of them.
I will show some to you.
Your mother will not
mind at all if I do.

Most insects you'll meet
have hard shells and lay eggs.

PRAYING MANTIS



BUTTERFLY



They have wings and can fly
and they all have six legs.



GRASSHOPPER



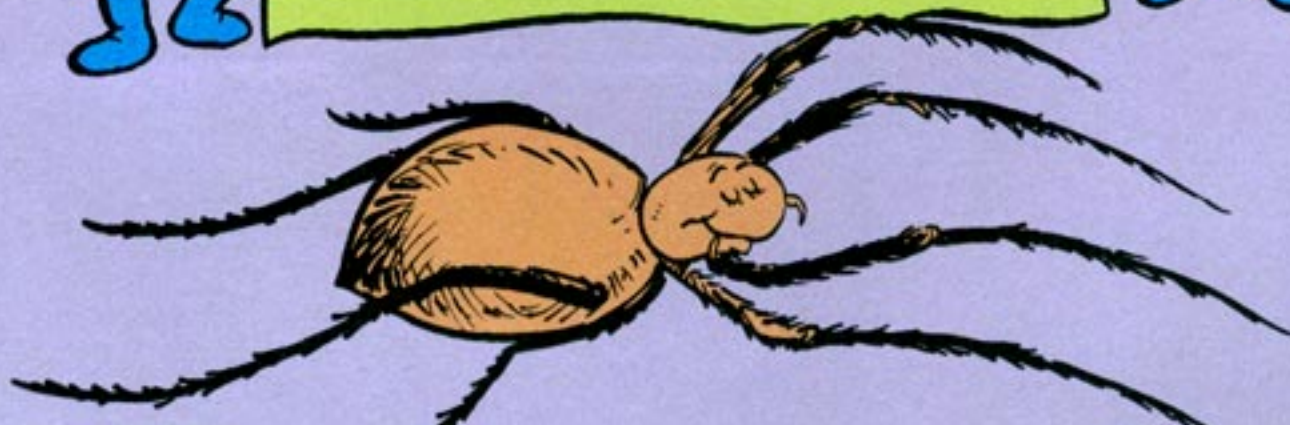
LADYBUG



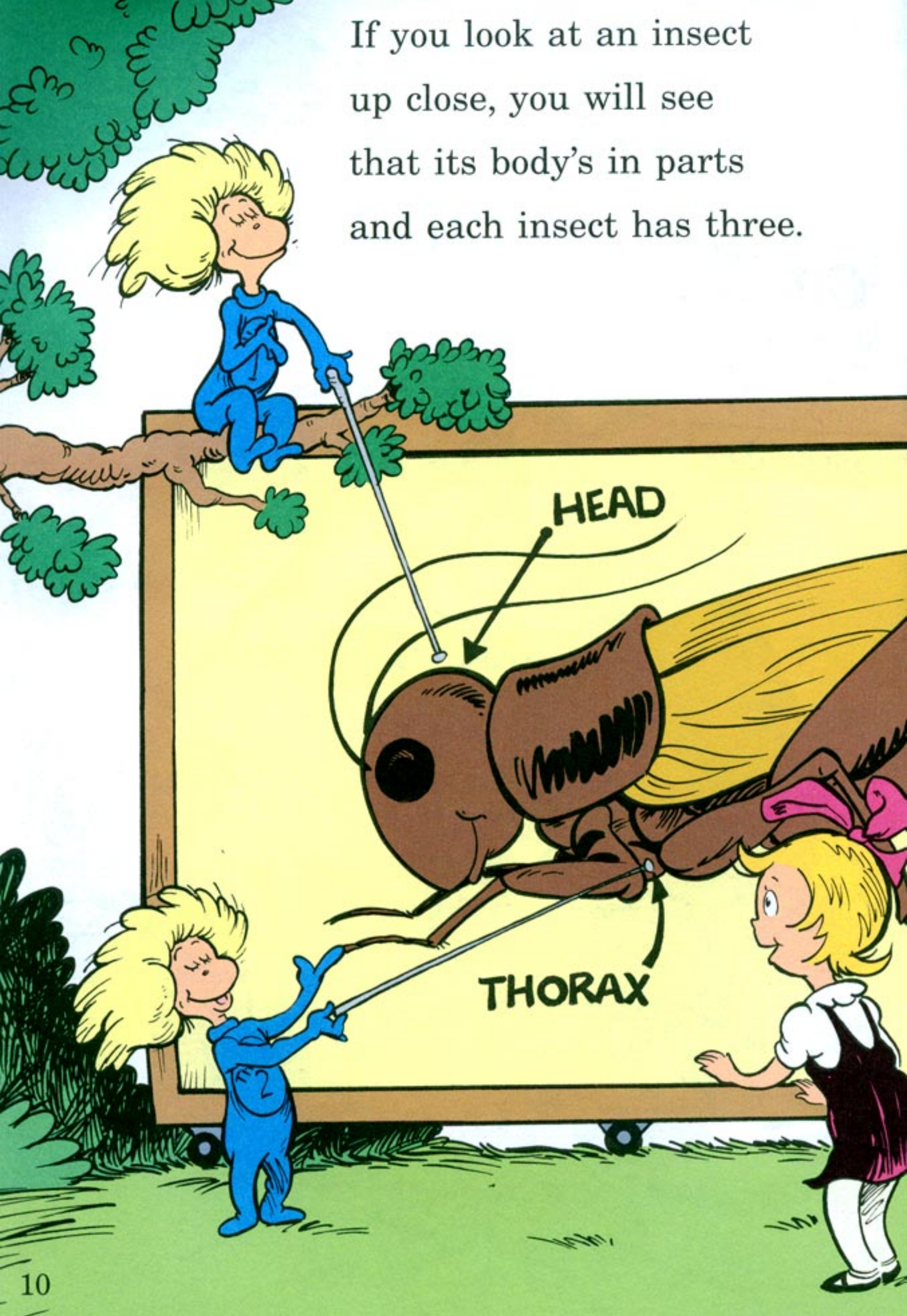
BLACK ANT



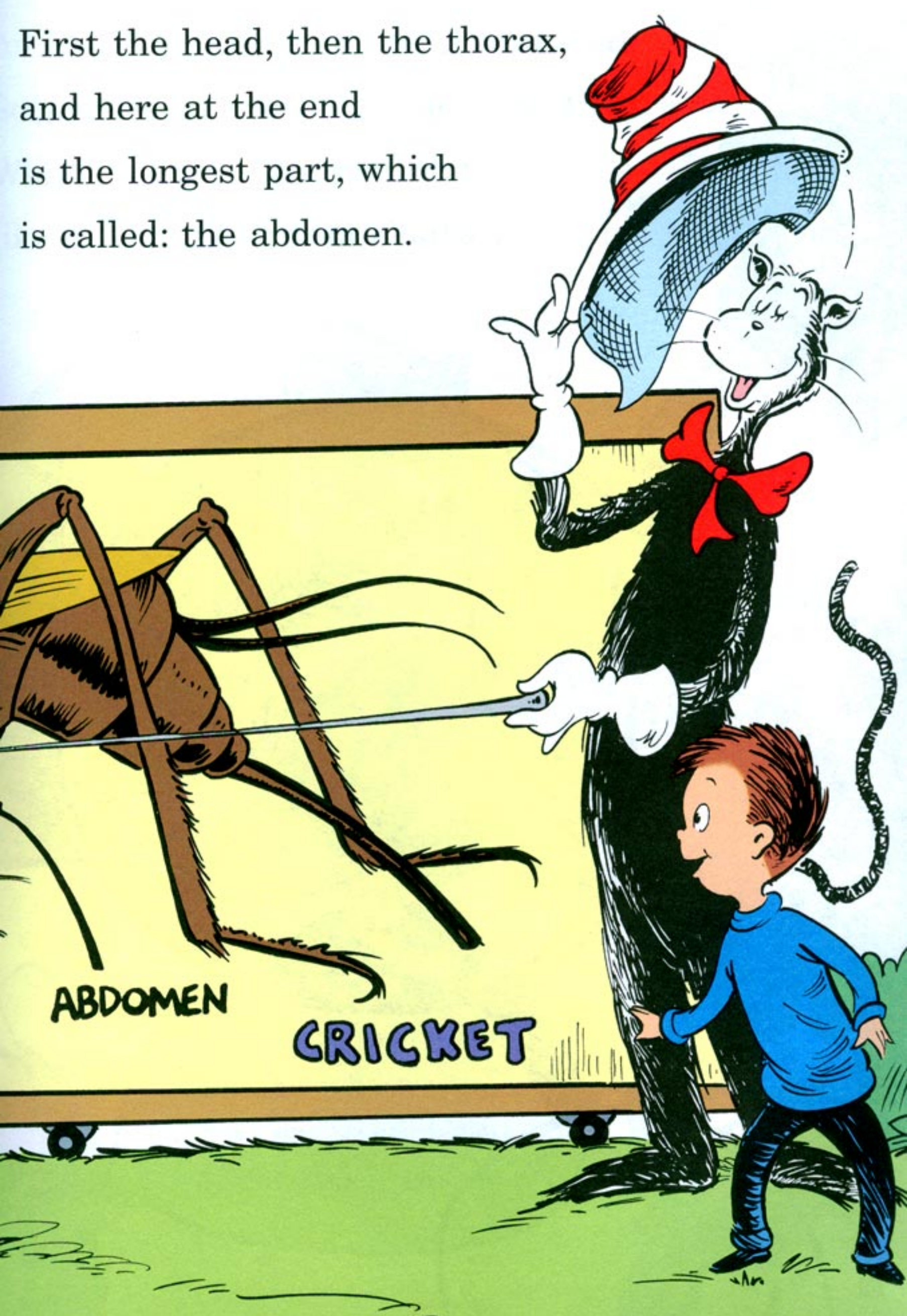
Spiders aren't insects!
This news couldn't wait!
Instead of six legs,
every spider has eight!



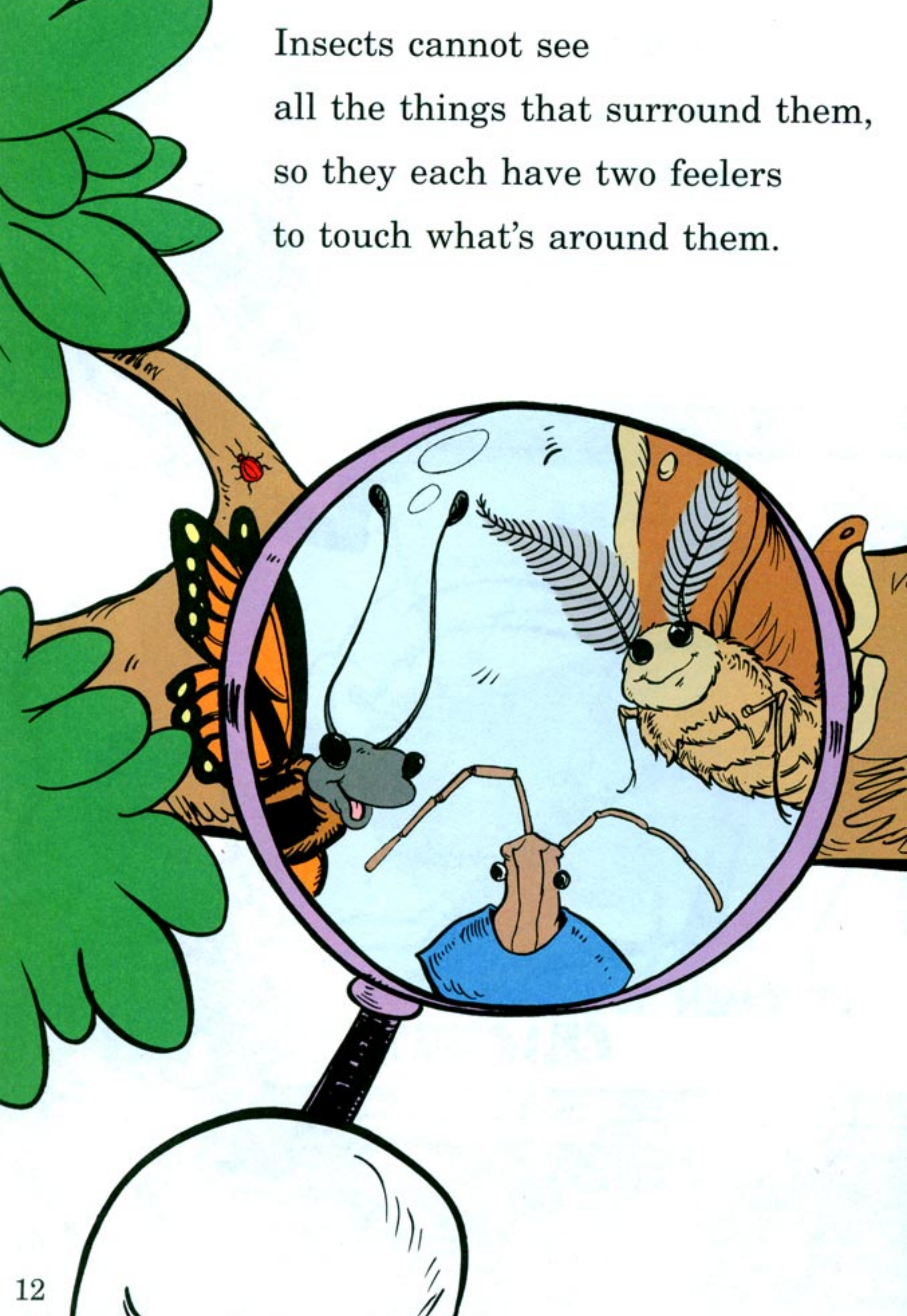
If you look at an insect
up close, you will see
that its body's in parts
and each insect has three.



First the head, then the thorax,
and here at the end
is the longest part, which
is called: the abdomen.



Insects cannot see
all the things that surround them,
so they each have two feelers
to touch what's around them.



An insect has feelers on top of its head.

Some look a lot like a thin piece of thread.

While others look much more like feathers instead.



We wish we had feelers,
but we don't have any.
You can also call feelers
by this name: "an-ten-ee"!



Watch an insect and see
all the things that it does.



DIVING BEETLE

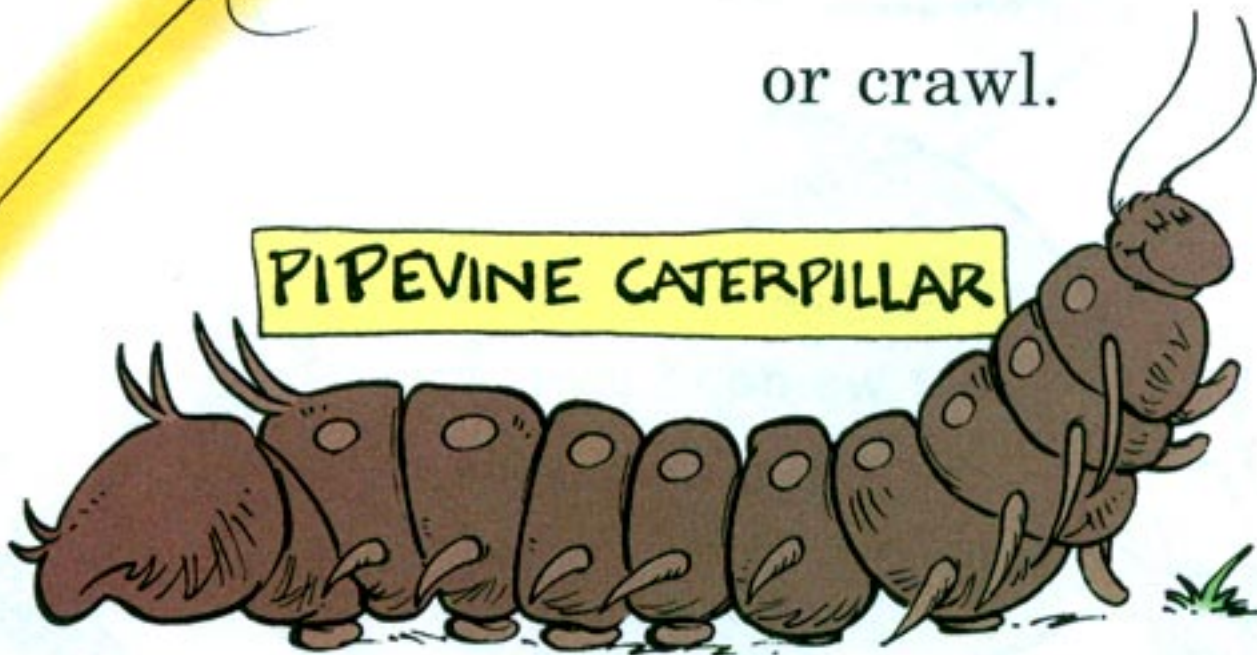
Some can swim,



DOG FLEA

jump,

or crawl.

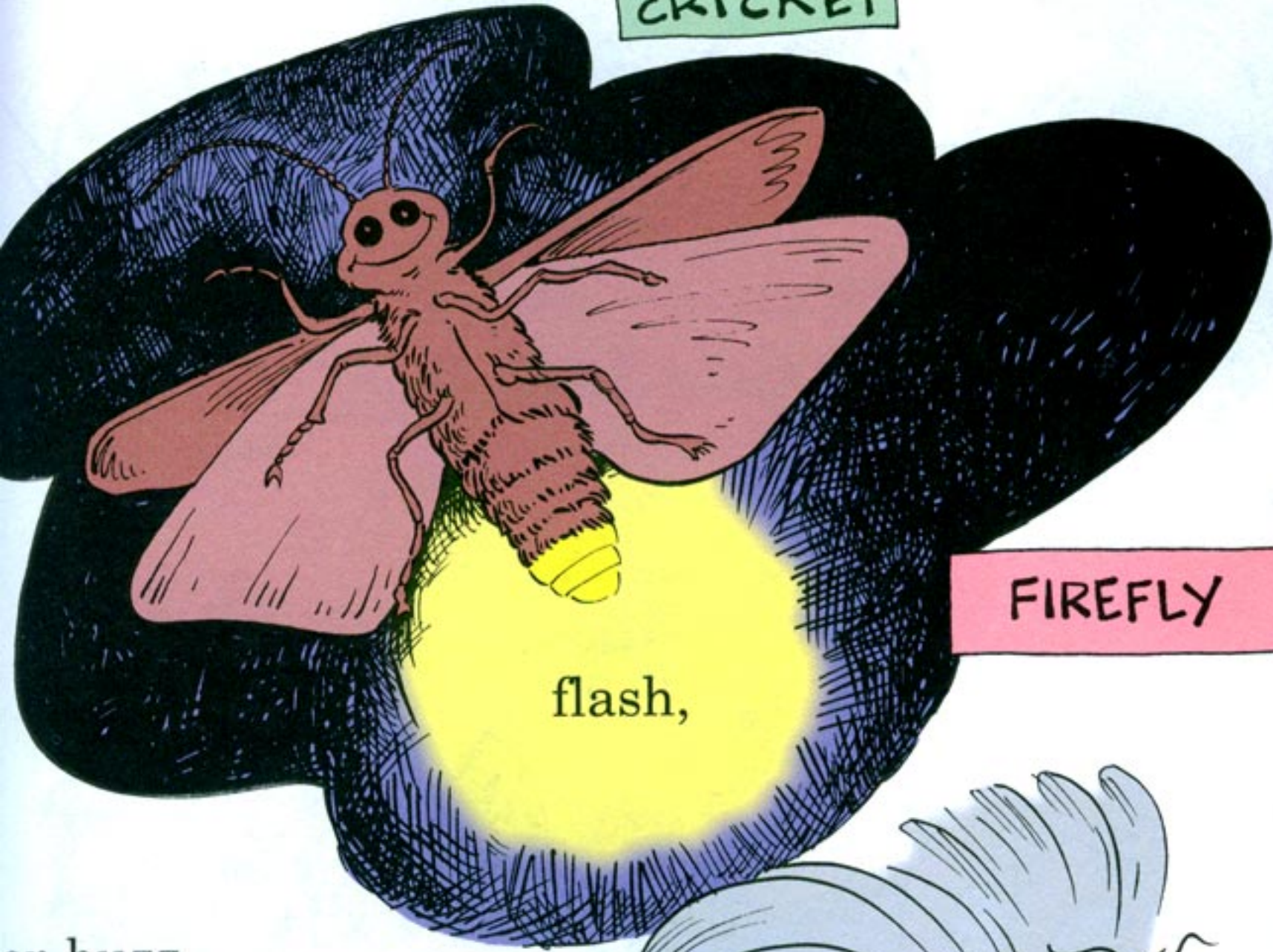


PIPEVINE CATERPILLAR

Others chirp,

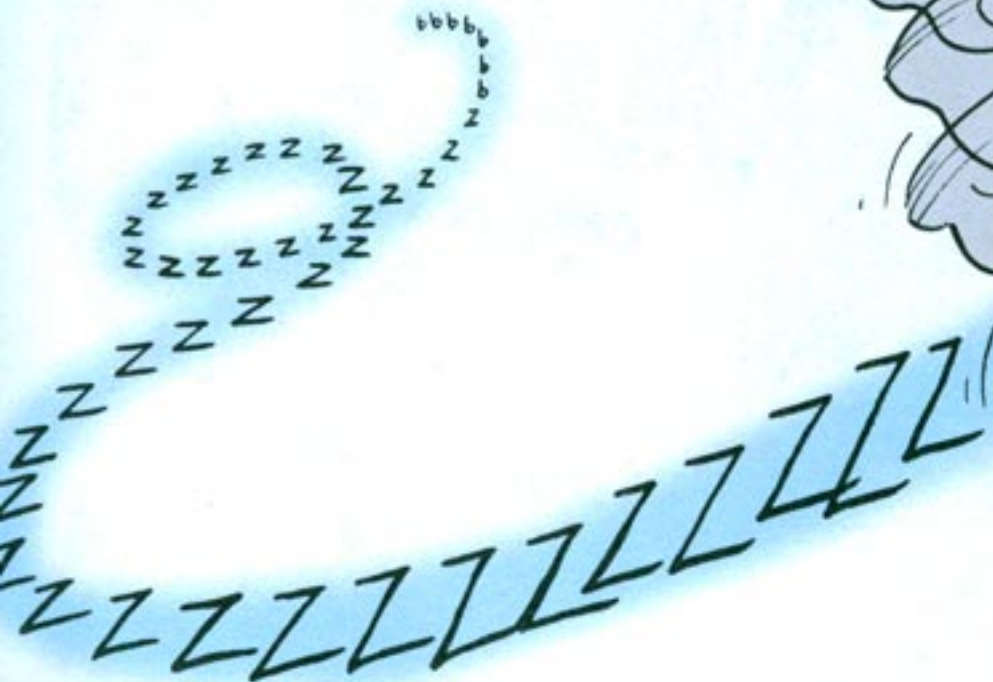


CRICKET

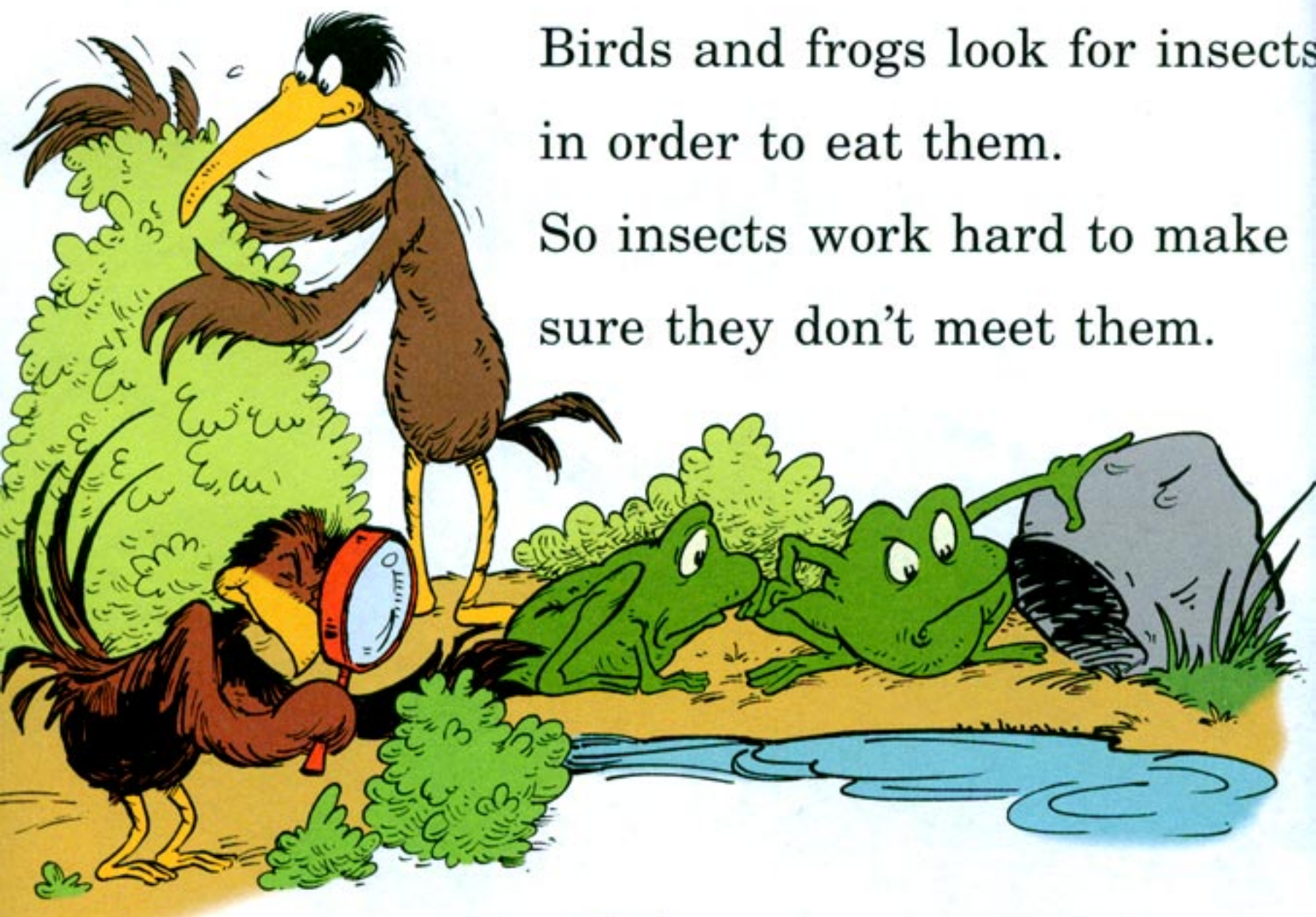


FIREFLY

or buzz.



BUMBLEBEE



Birds and frogs look for insects
in order to eat them.

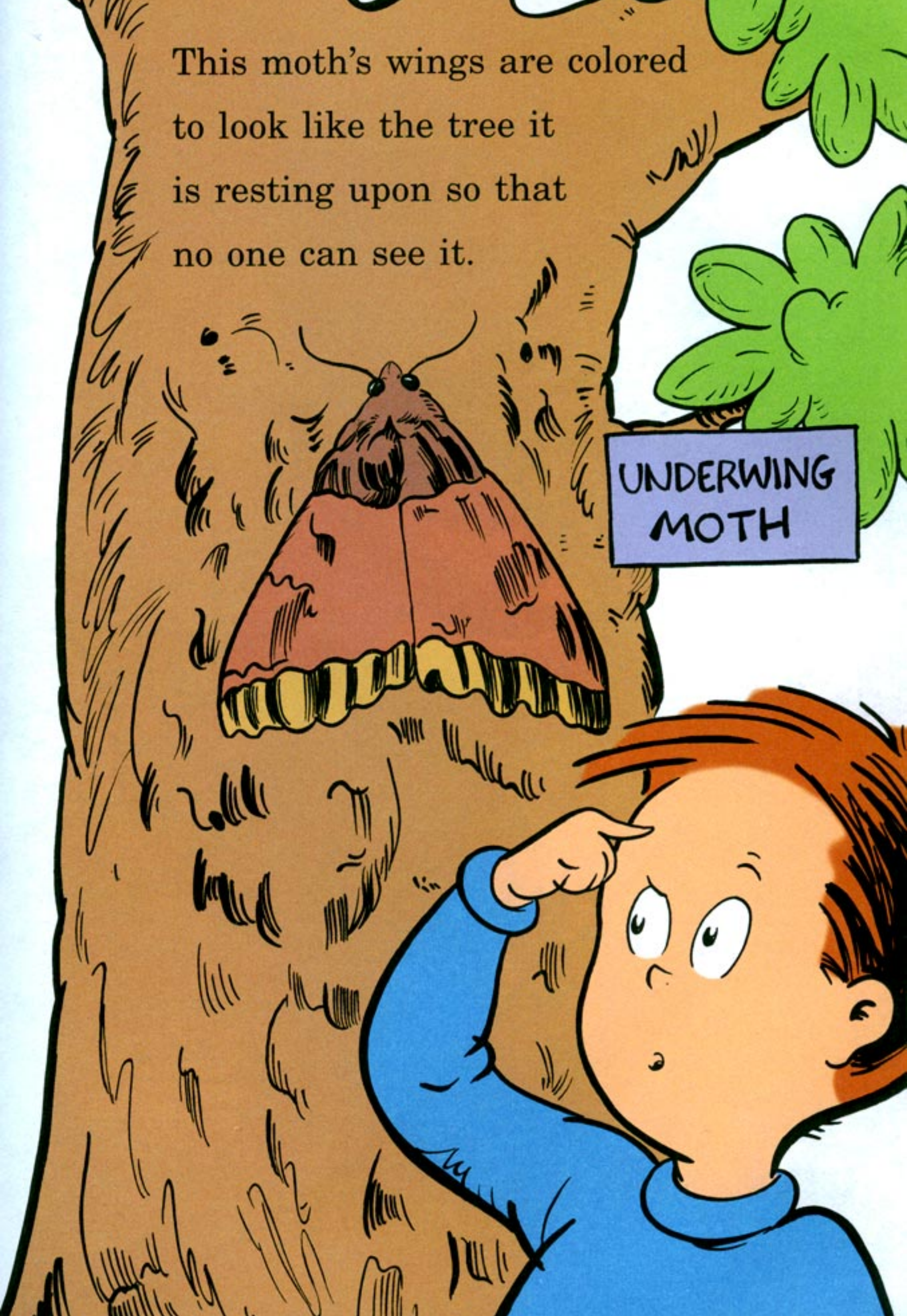
So insects work hard to make
sure they don't meet them.



Some, like this wasp,
have bright colors that say,
“Don't come near me! I'll sting you!”
So just stay away!”

This moth's wings are colored to look like the tree it is resting upon so that no one can see it.

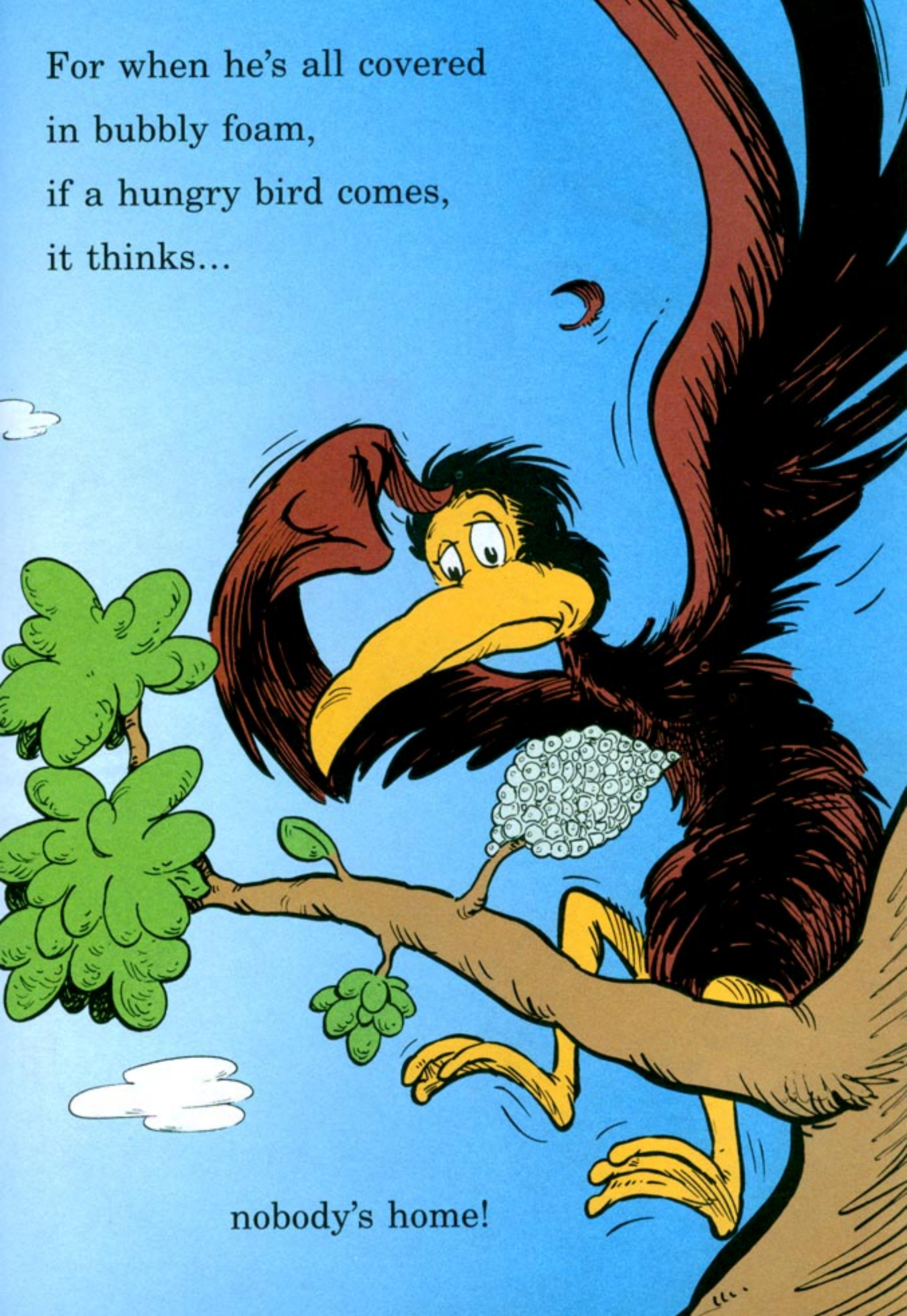
UNDERWING
MOTH



This spittlebug sits
and he spits out a bubble.
It's wet and it's cool
and can save him from trouble.



For when he's all covered
in bubbly foam,
if a hungry bird comes,
it thinks...



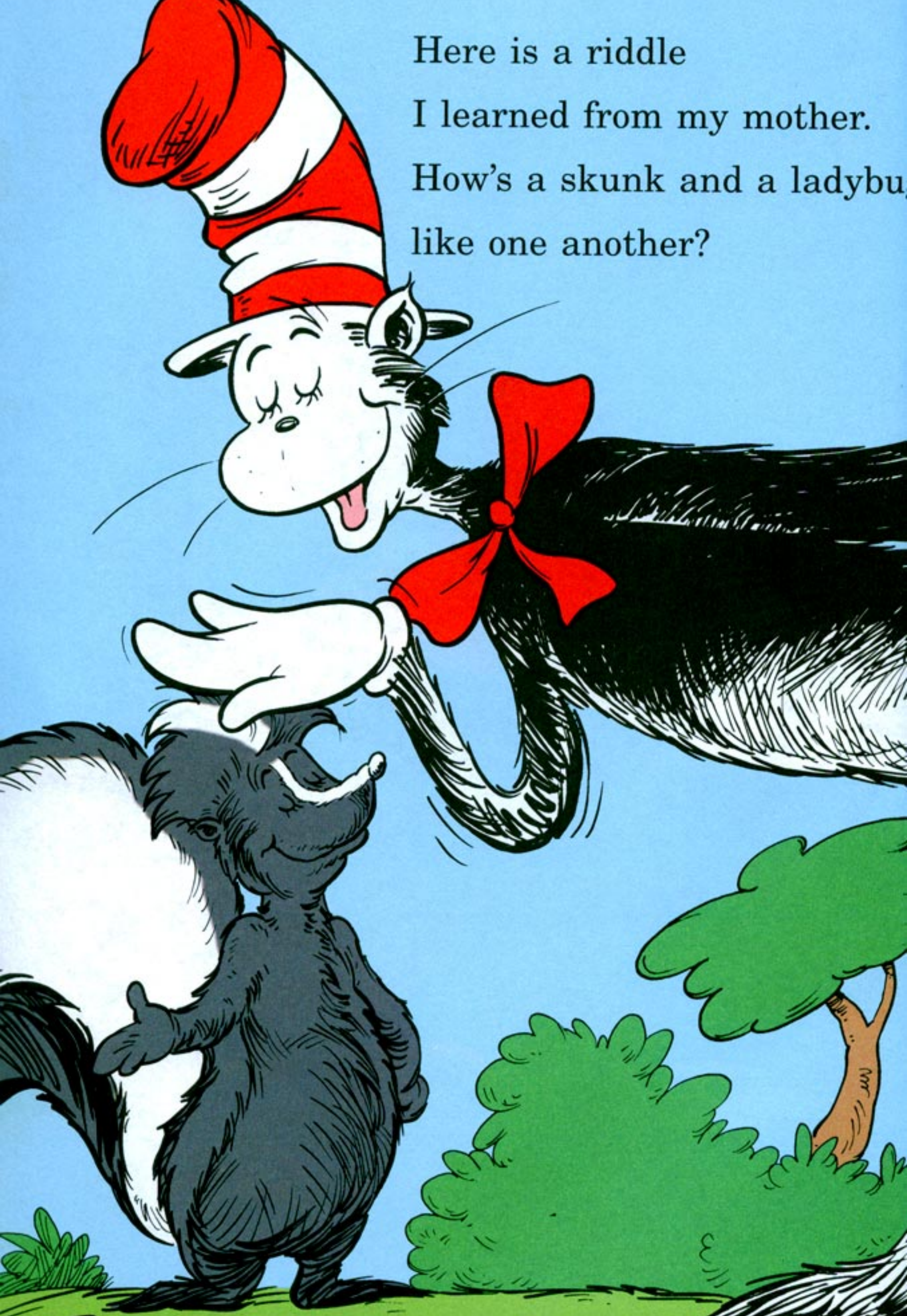
nobody's home!

Here is a riddle

I learned from my mother.

How's a skunk and a ladybug

like one another?

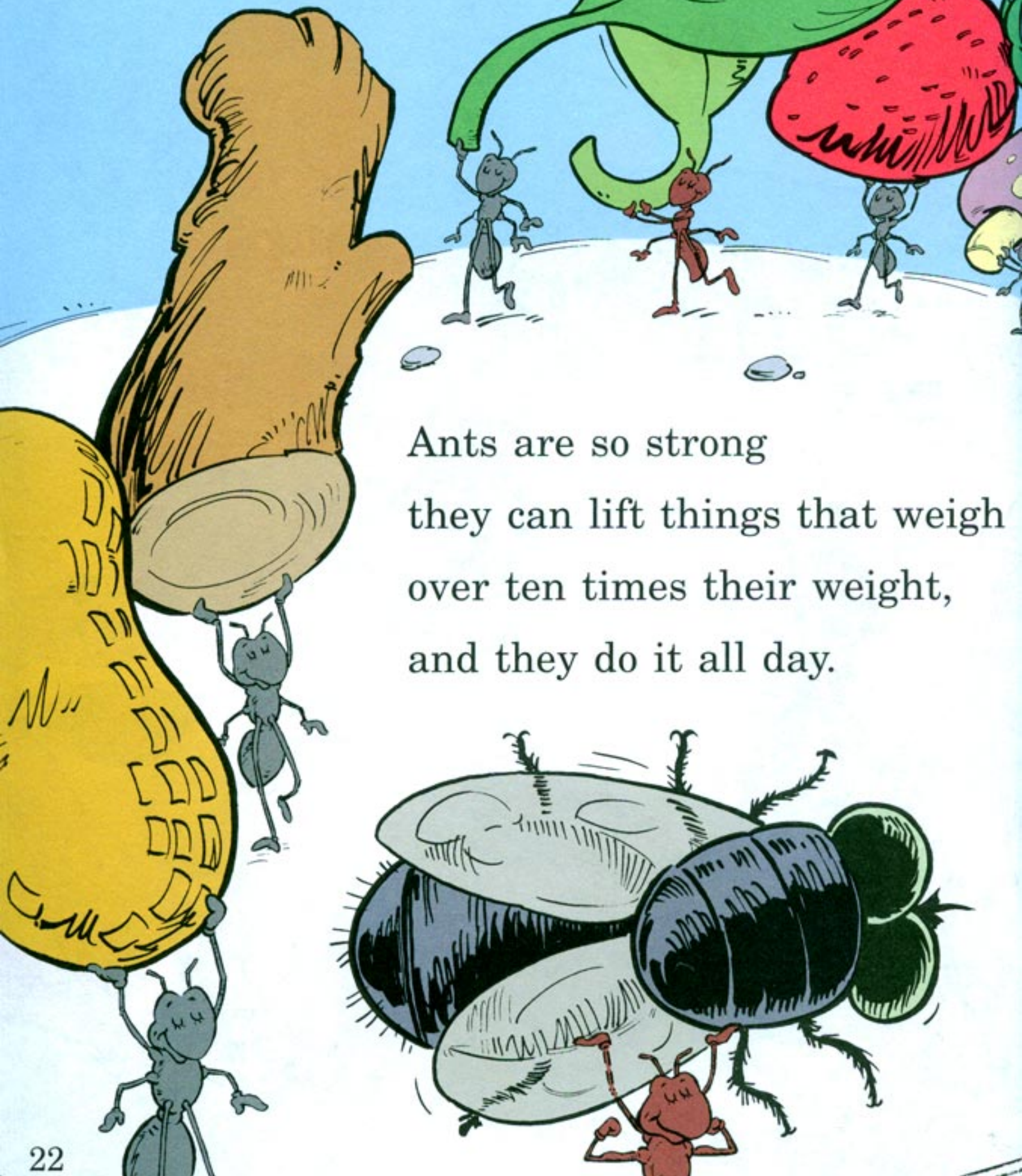




When danger is near,
it is easy to tell—
they suddenly give off
a terrible smell!



These busy insects
are my friends, the ants.
They like to eat seeds,
other insects, and plants.

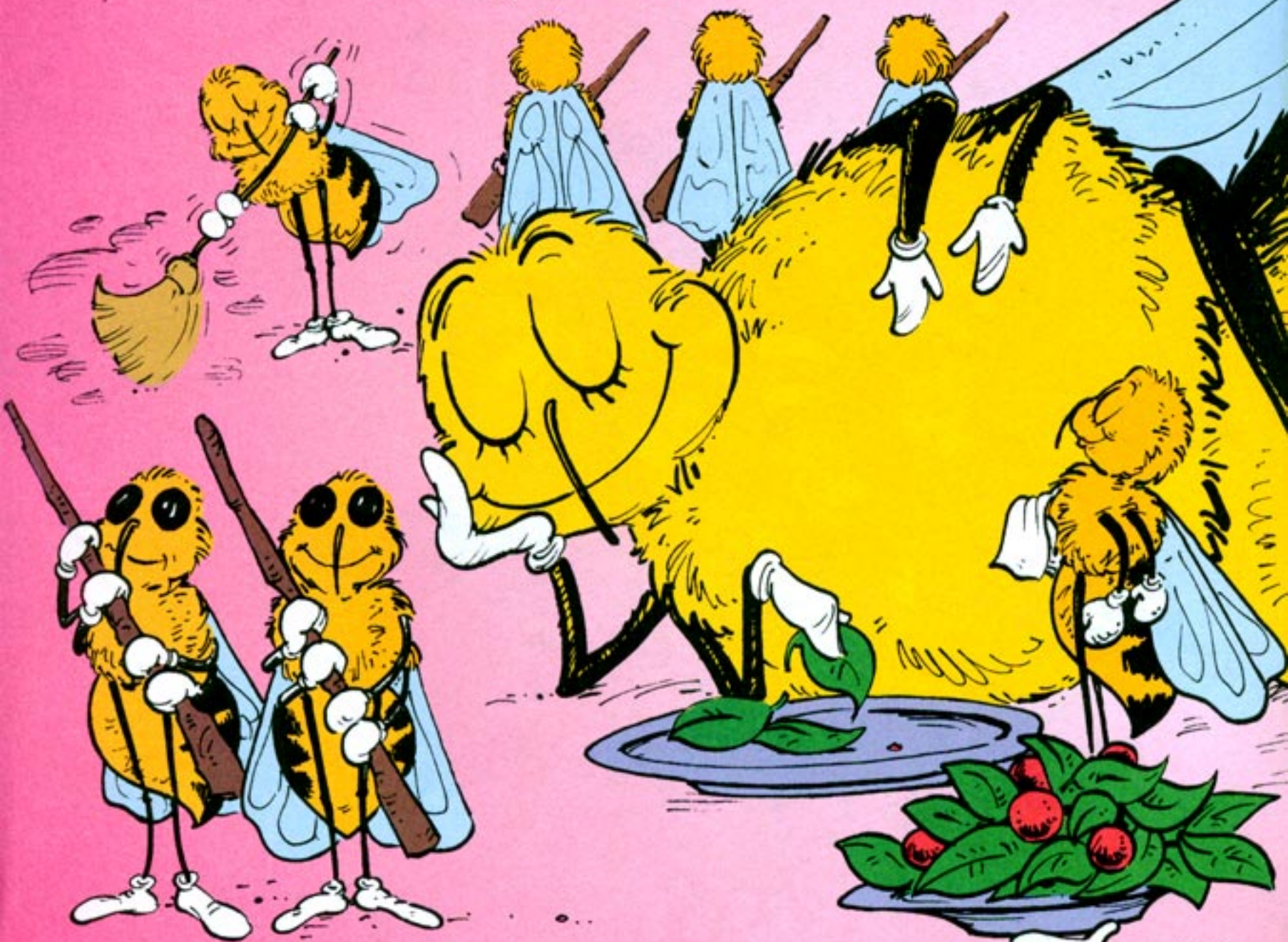


Ants are so strong
they can lift things that weigh
over ten times their weight,
and they do it all day.



So if you were as strong
as an ant, you would see
you could lift up ten cats
in tall hats...easily!

Watch these honeybees and
I am sure you'll agree
that these bees are as busy
as busy can be!



Worker bees collect food
and they keep the hive clean.
They protect it from danger
and wait on their queen.



She must stay in one place.

It is her job to lay
dozens and dozens
of eggs every day.

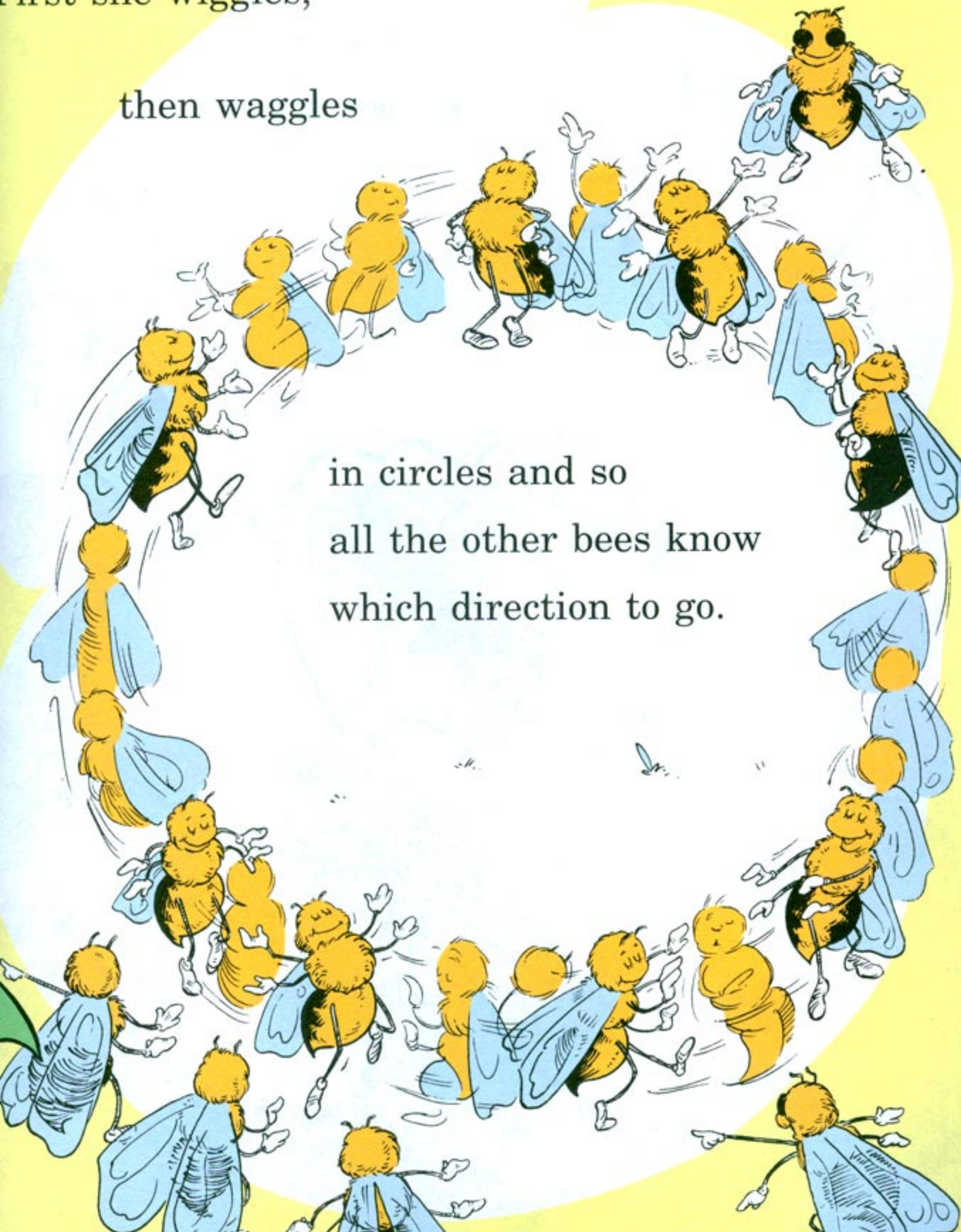


When a bee has discovered where food can be found, she goes back to her friends and starts dancing around.

First she wiggles,

then waggles

in circles and so
all the other bees know
which direction to go.



We can grow lots of flowers
with help from the bees.

They store dust from each flower
in back of their knees.



This dust is called pollen.
Next flower they find—
when they land on it, they
leave some pollen behind.



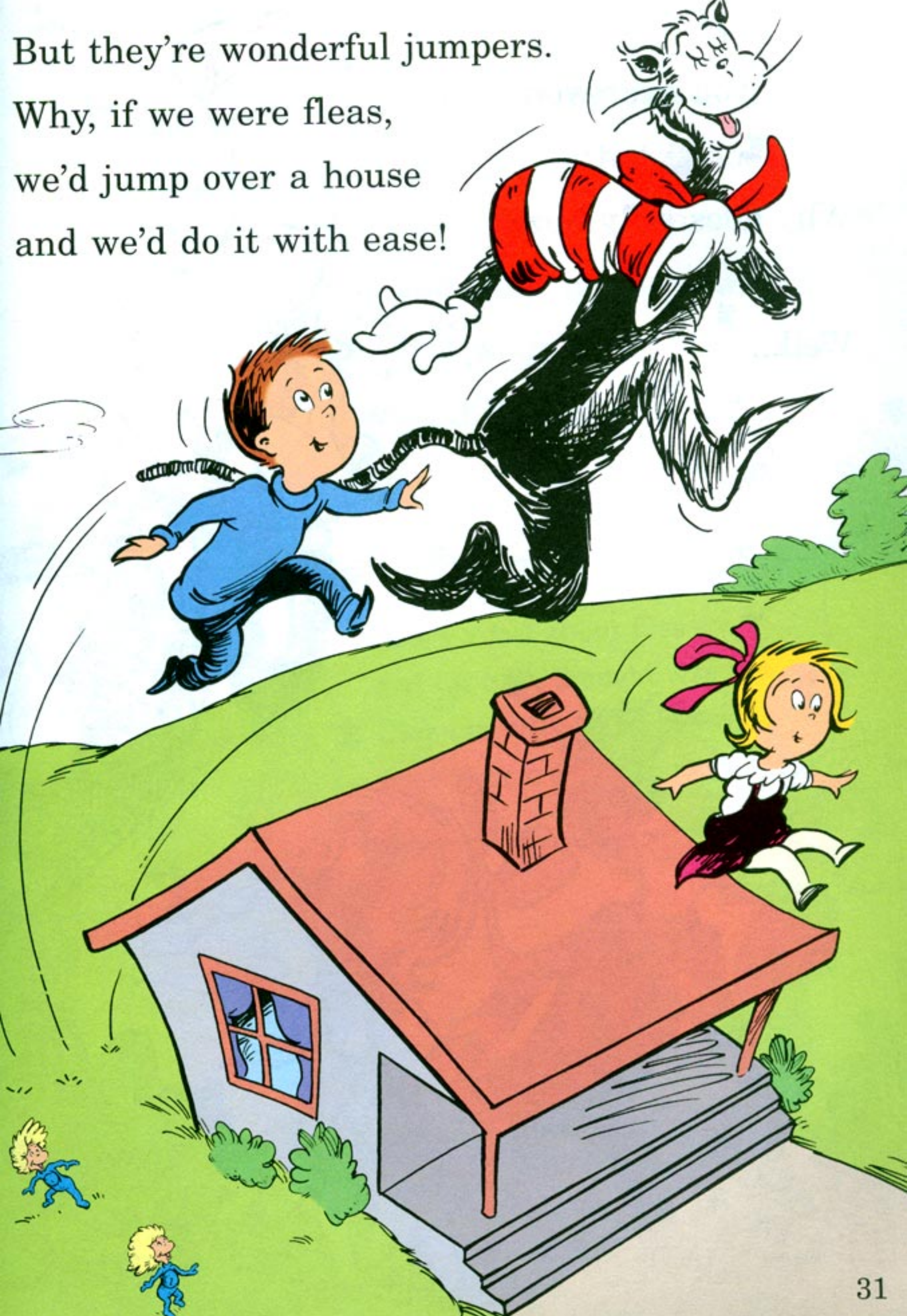
This is called pollination
and it makes the new seeds
that grow even more flowers,
which everyone needs.

Some insects I know
can be unwanted guests.
Fleas, flies, and mosquitoes
can really be pests.

Fleas live on cats, dogs,
rats, hamsters, and mice.
Their bite is quite itchy,
which isn't too nice.



But they're wonderful jumpers.
Why, if we were fleas,
we'd jump over a house
and we'd do it with ease!



Have you ever wondered...

Why does a fly buzz?

Well...





It beats its wings fast,
and each time that it does,
its wings make a sound
you can hear in your ear,
and this sound lets you know
there's a fly flying near.

Two cartoon children with spiky blonde hair and blue jumpsuits are holding a large white sign. The child on the left is standing on a rock and has their tongue sticking out. The child on the right is also standing on a rock and has their tongue sticking out. The sign is held up by their hands. The background is a bright yellow sky with small flies and a green ground with rocks and bushes. A large, dark, segmented worm-like creature is visible on the left side of the page.

Here's a fact about flies
that we both thought was icky.
They can walk upside down,
since their feet are so sticky!

I don't think mosquitoes
are very polite.

When they're hungry, they land,
and they sting when they bite.

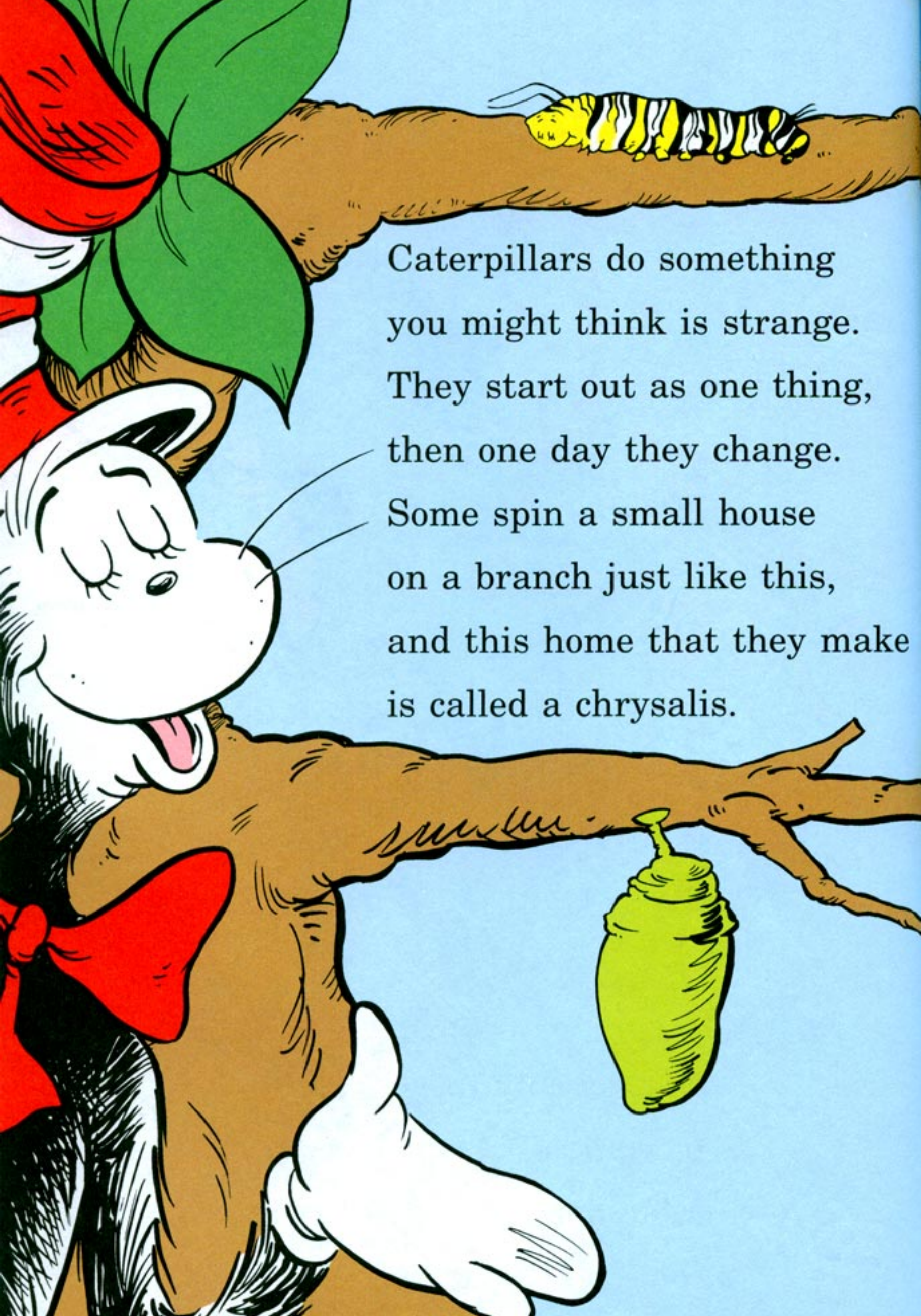




But it's only the female
mosquitoes that do.

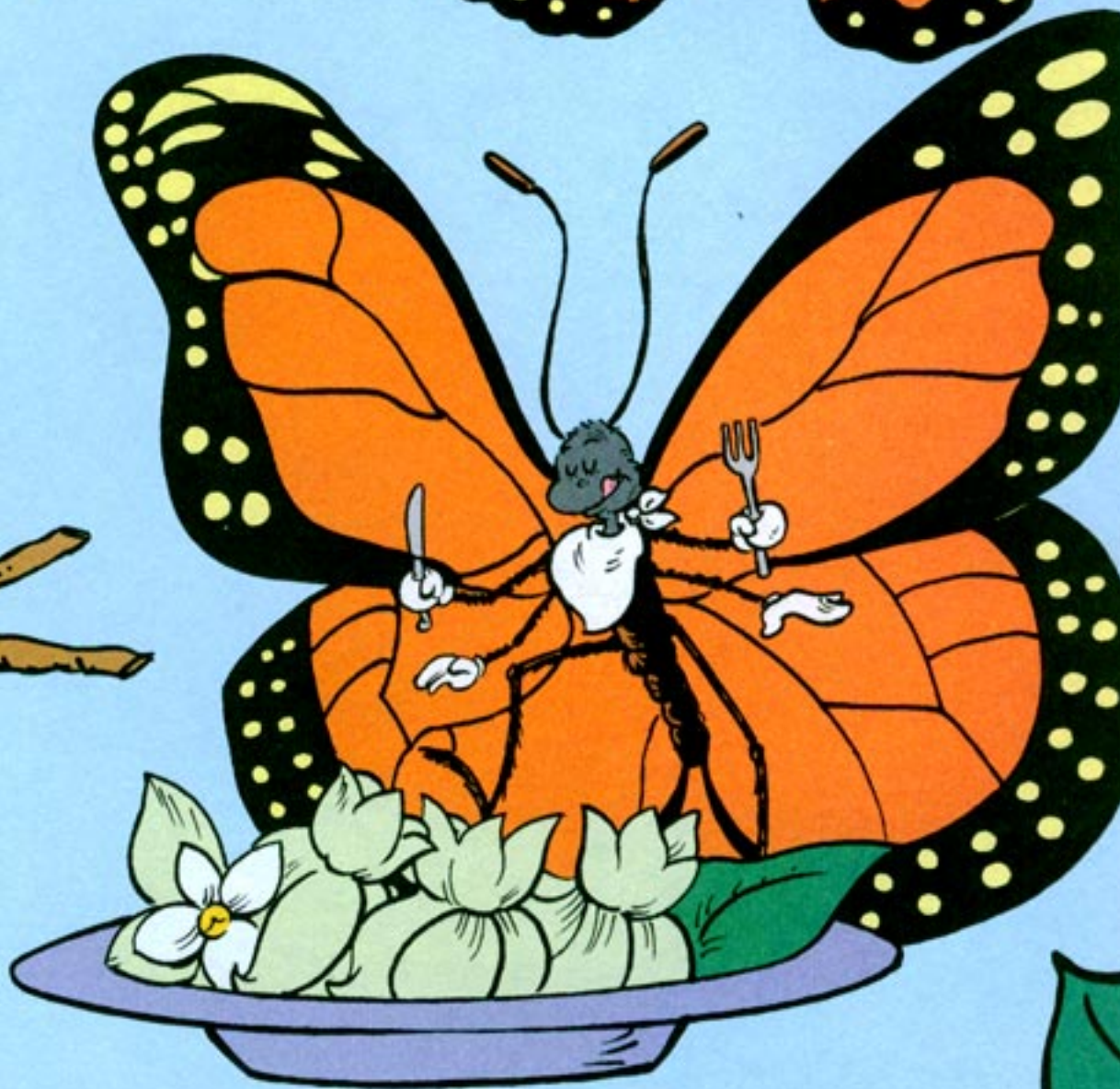
Male mosquitoes will never
come bothering you.





Caterpillars do something you might think is strange. They start out as one thing, then one day they change. Some spin a small house on a branch just like this, and this home that they make is called a chrysalis.

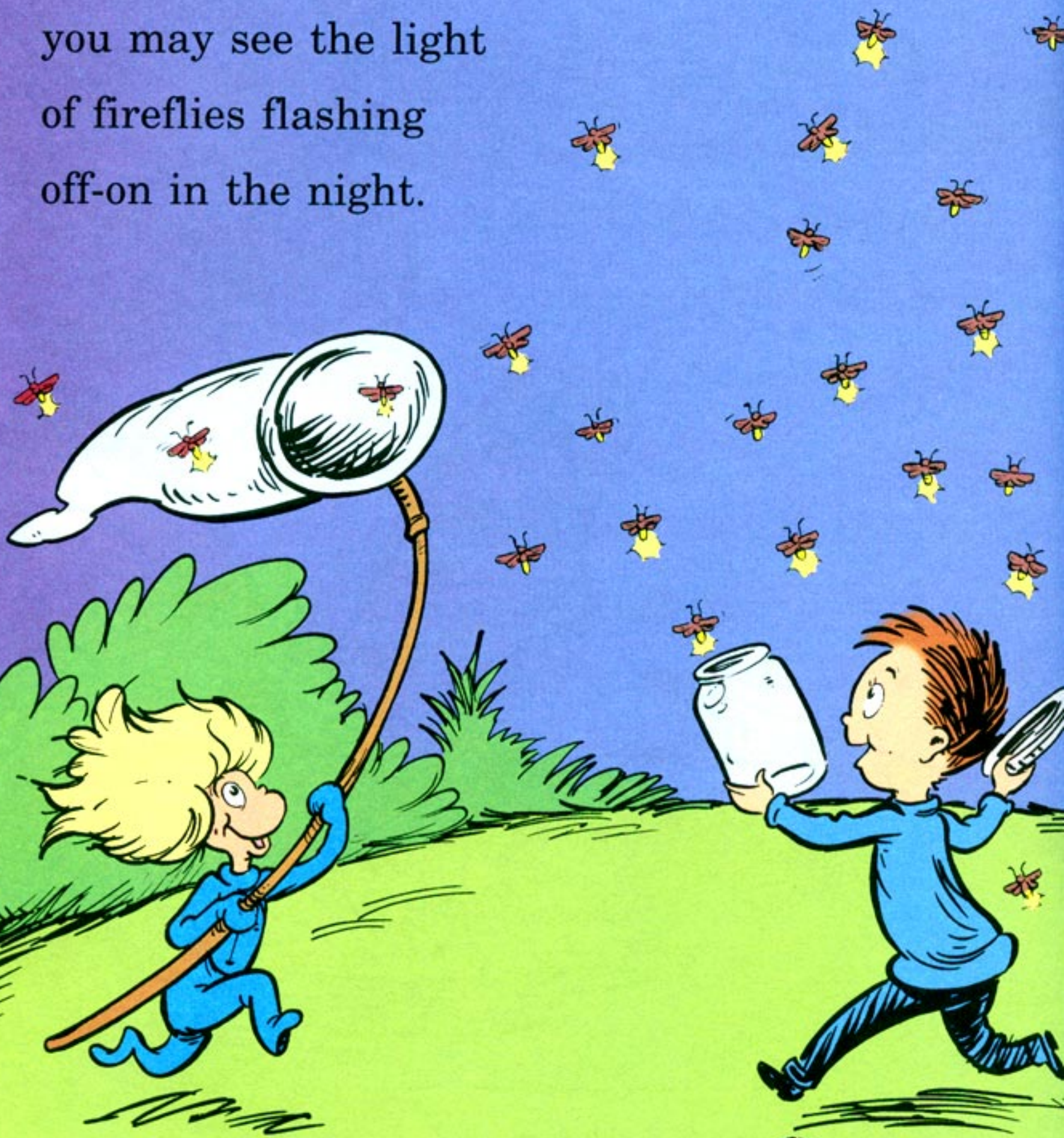
If you watch it, you'll see
when a few weeks go by,
it turns into a beautiful
new...butterfly!



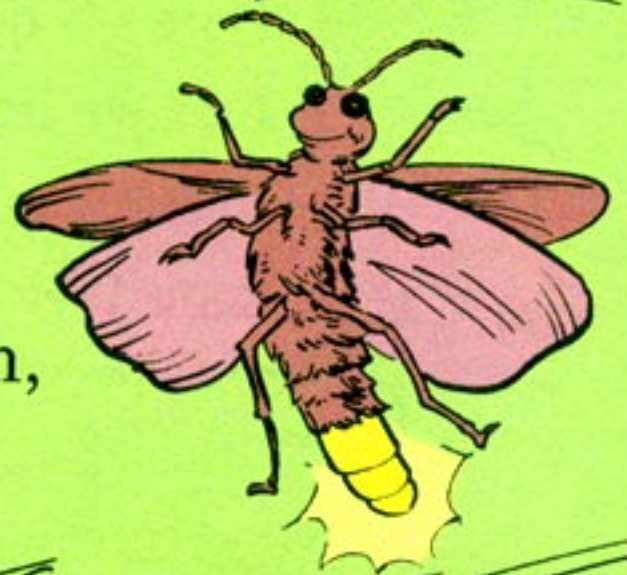
Here's a quick fact
that we both thought was neat.
Butterflies can
taste their food...with their feet!



On warm summer evenings,
you may see the light
of fireflies flashing
off-on in the night.



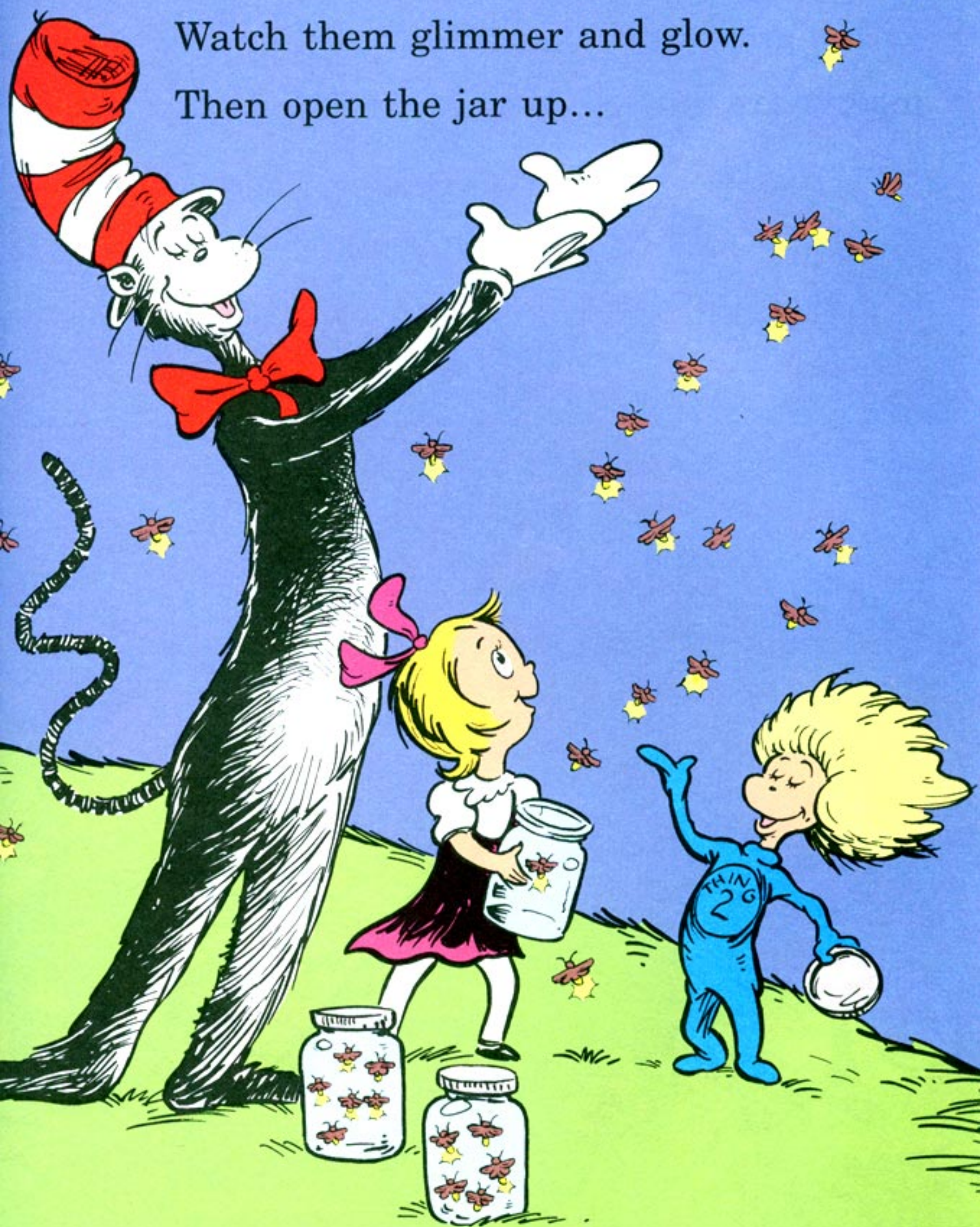
They are like tiny flashlights
that float in the sky,
and if you want to catch them,
it's all right to try.



Use a jar with a lid.

Watch them glimmer and glow.

Then open the jar up...

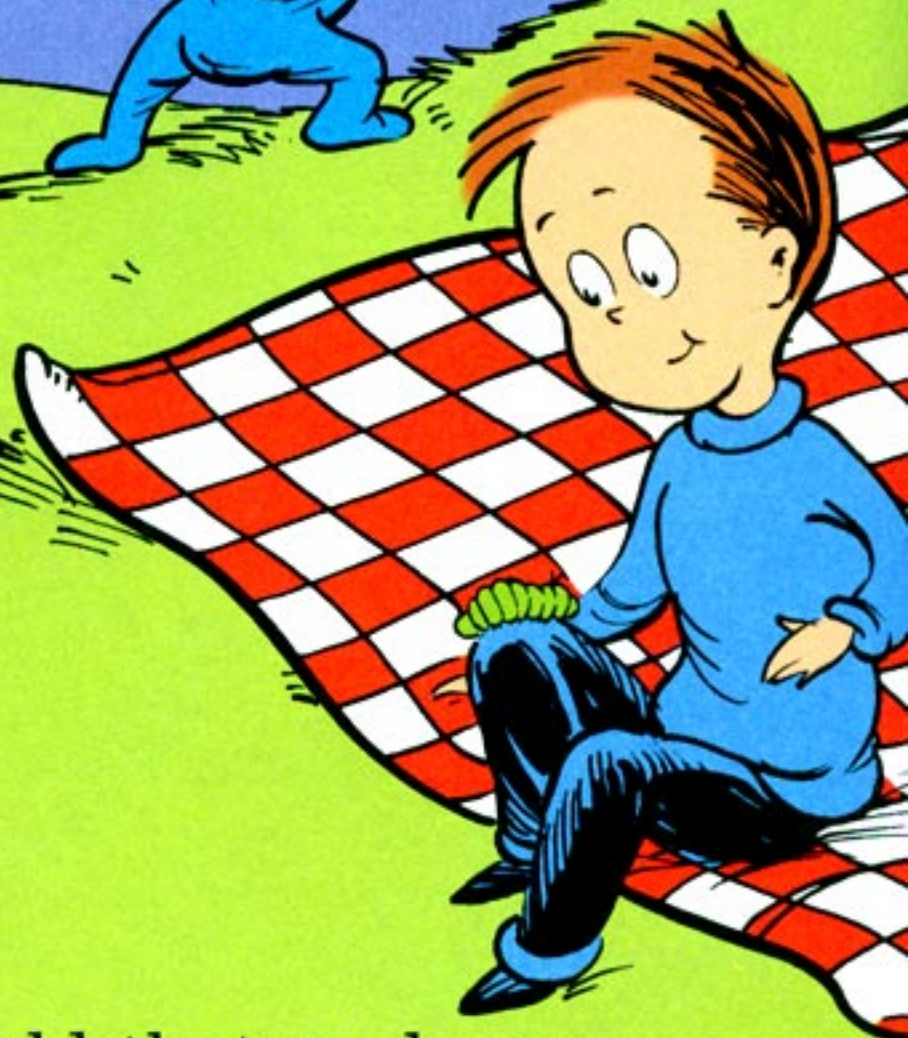
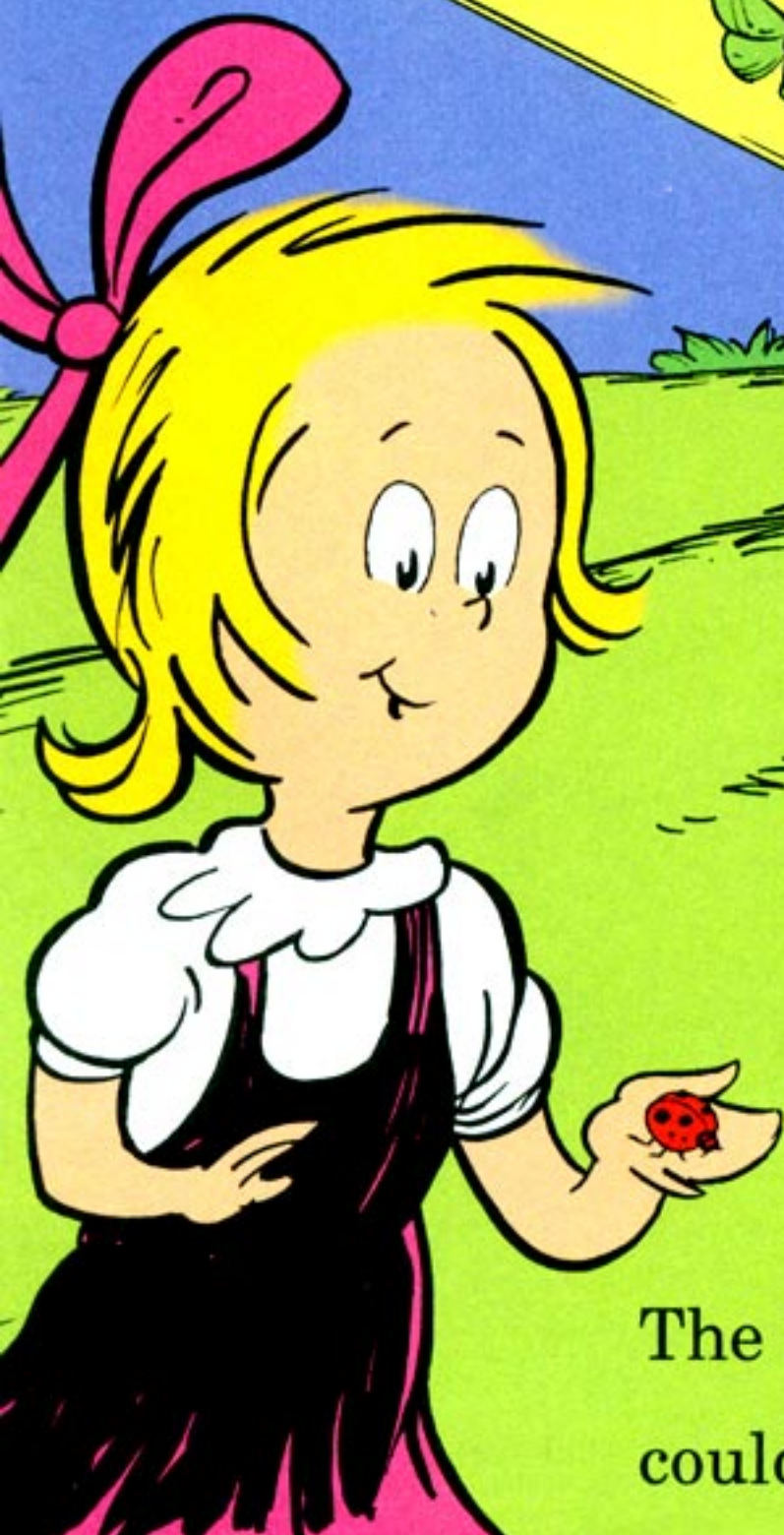


and let them all go!

All day and all night,
on the ground, in the air,
insects are moving around
everywhere.



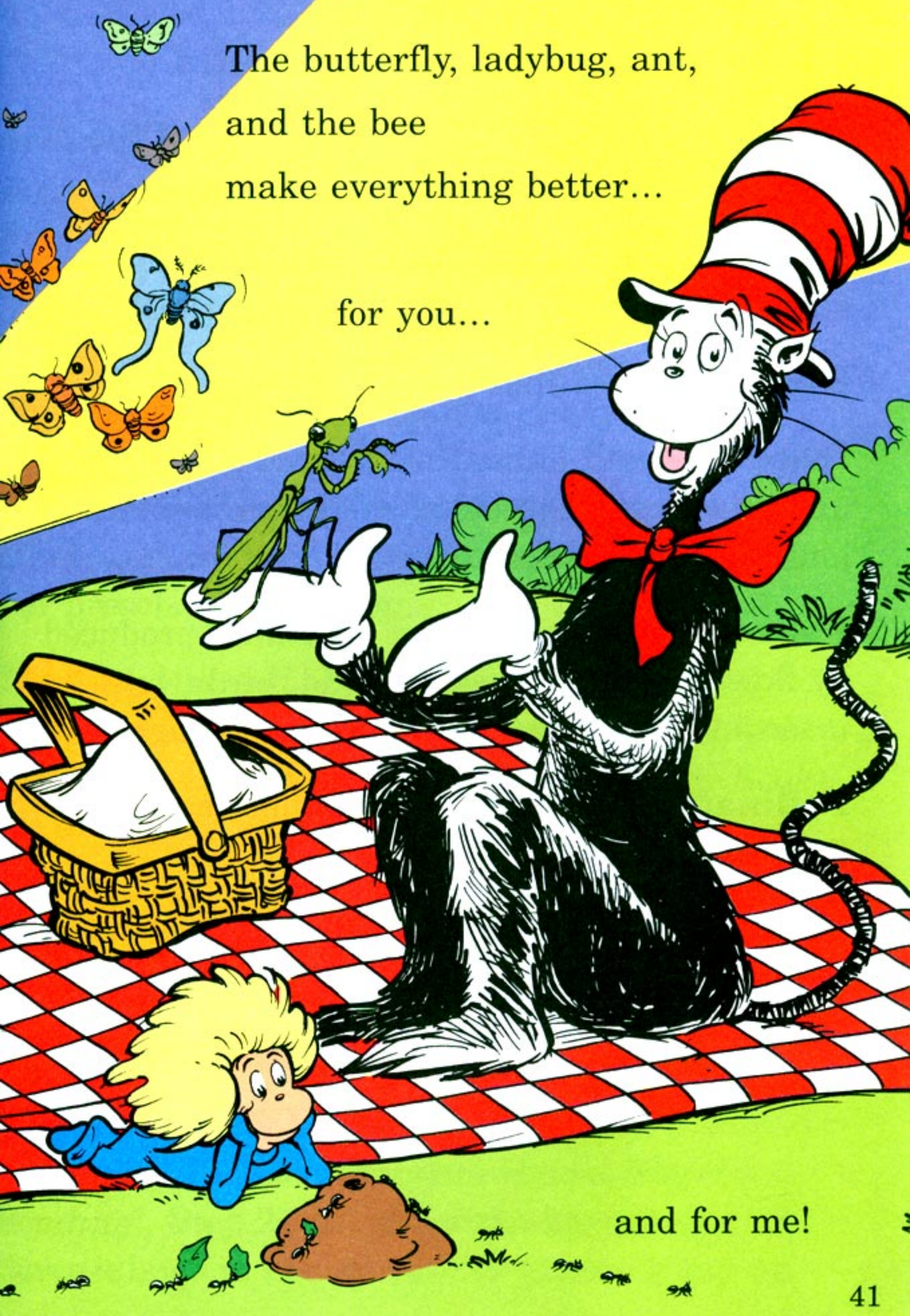
It's important for us
to keep learning about them.



The world that we know
couldn't go on without them.

The butterfly, ladybug, ant,
and the bee
make everything better...

for you...



and for me!

GLOSSARY

Abdomen: The third and last section of the body of an insect.

Chrysalis (say KRIS-a-lis): The hard, unmoving stage between a caterpillar and a butterfly.

Hive: The place that bees live in.

Insect: A small animal with three pairs of legs and a body with an outer shell that is jointed and divided into three parts.

Pollen: A yellow, dust-like substance produced by flowers. It is carried by wind, birds, or insects to other flowers, where it forms seeds.

Pollination: The transfer of pollen from one flower to another.

Thorax: The part of an insect's body between the head and the abdomen. The wings and the legs are attached to it.



The Cat in the Hat's Learning Library™

There is a big gap between “concept” books written for preschoolers and nonfiction that requires fluent reading skills. **The Cat in the Hat's Learning Library™** books introduce beginning readers to important basic concepts about the world we live in. They provide the critical foundations upon which complex facts and ideas can eventually be built. In addition, **The Cat in the Hat's Learning Library™** shows young readers that books can be entertaining and educational at the same time. This is a wonderful series!

—*Barbara Kiefer, Ph.D.,
Charlotte S. Huck Professor
of Children's Literature,
The Ohio State University*

LEARN TO READ. READ TO LEARN.



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