

by Wendy Pfeffer illustrated by Steve Jenkins

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Life in a Coral Reef

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First Edition

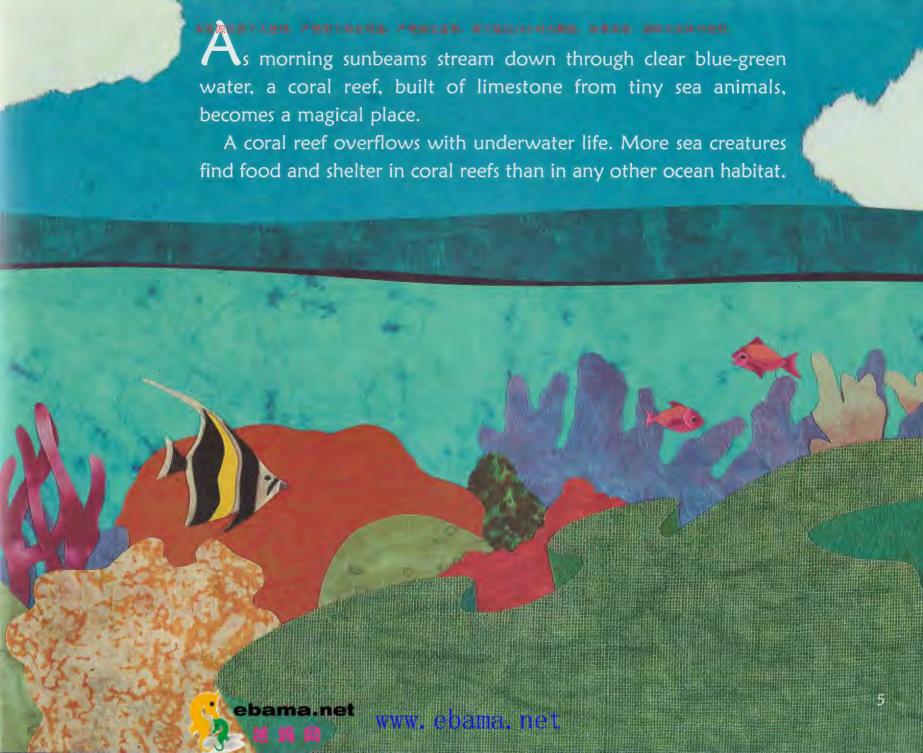


For Tim and Jaime, who enjoy snorkeling over Caribbean reefs —W.P.

For Jamie
—S.J.





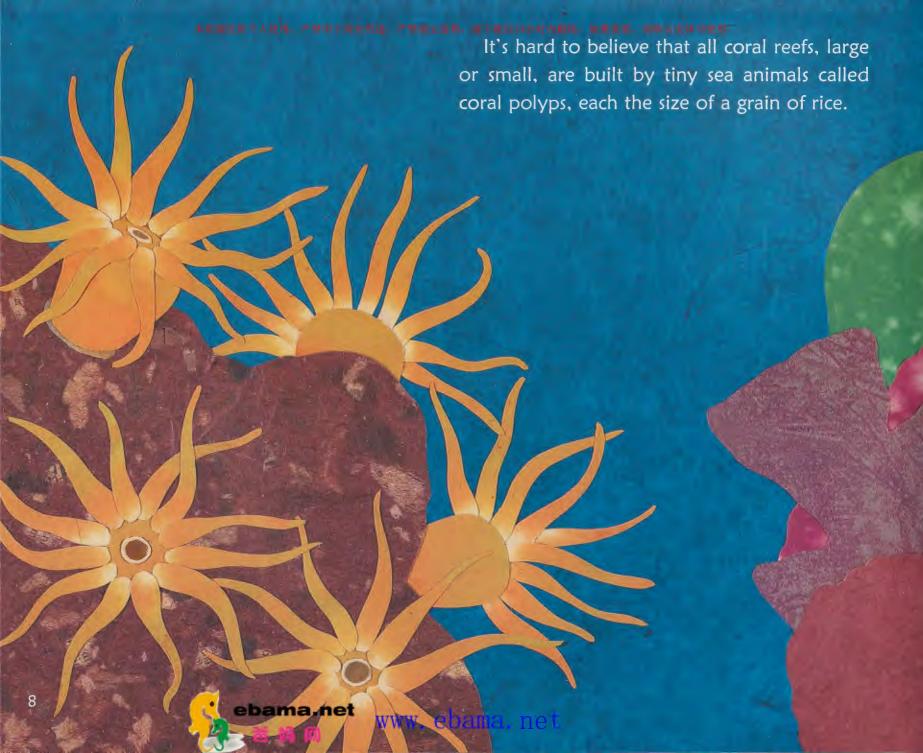


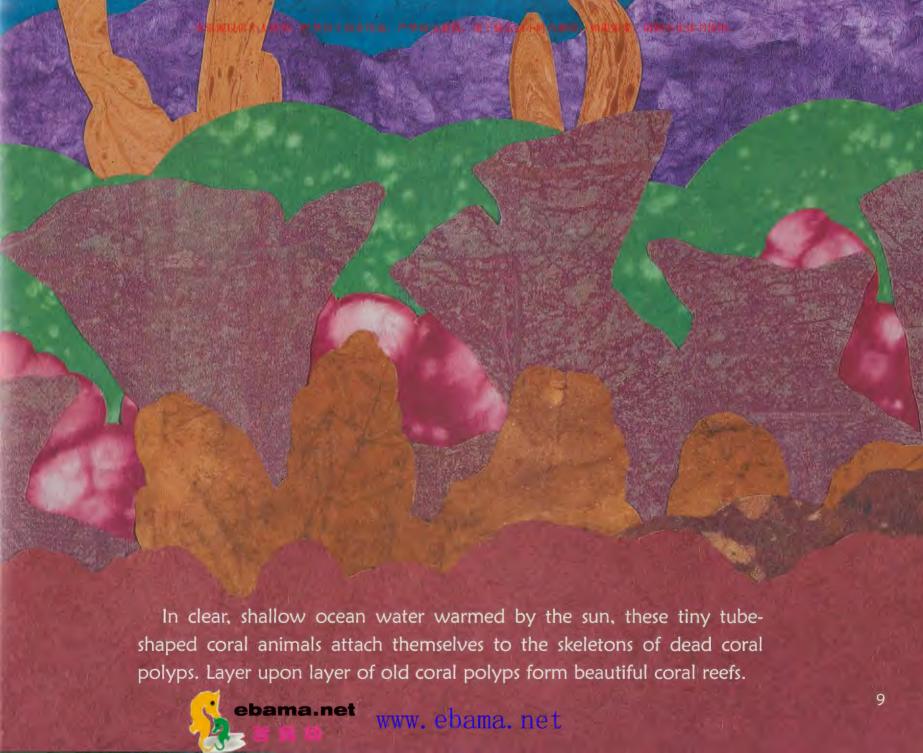


The Great Barrier Reef, a world of wonder off the coast of Australia, is more than 1,200 miles long, the distance from Maine to Florida.





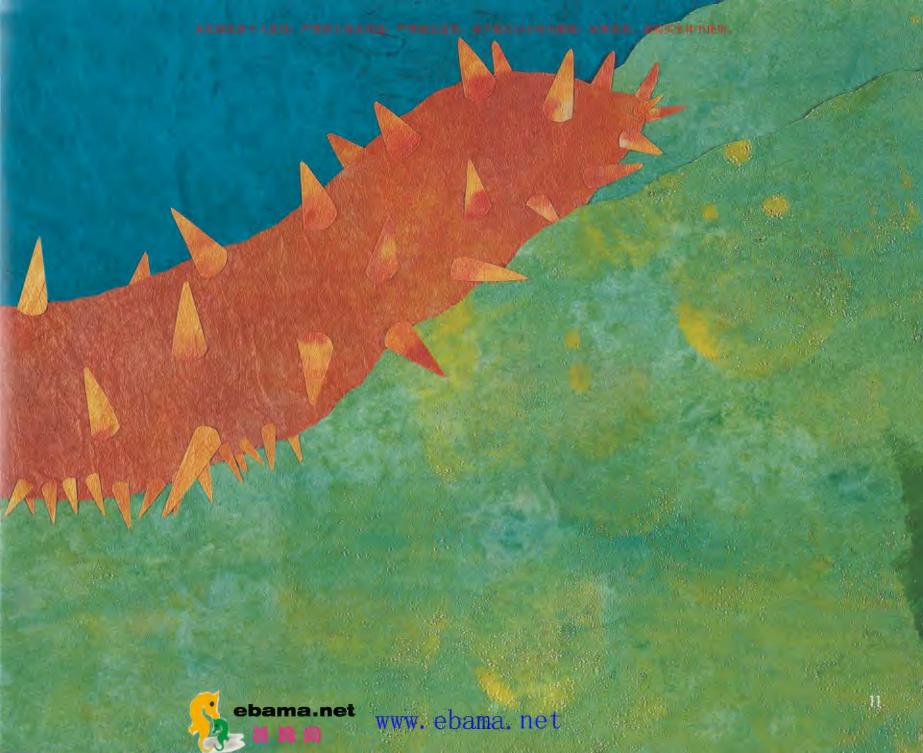


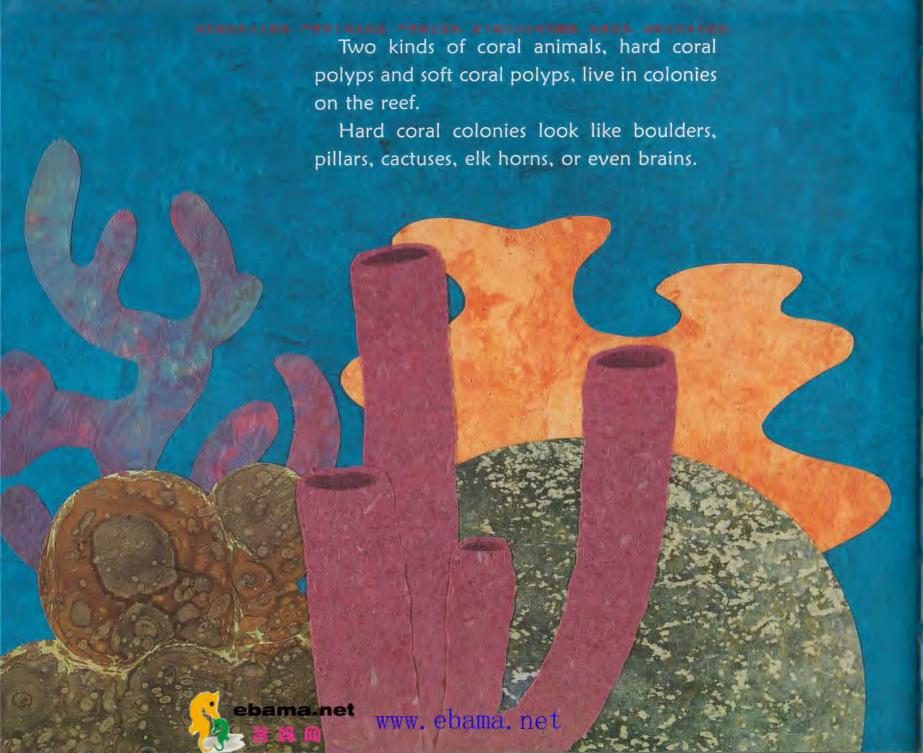


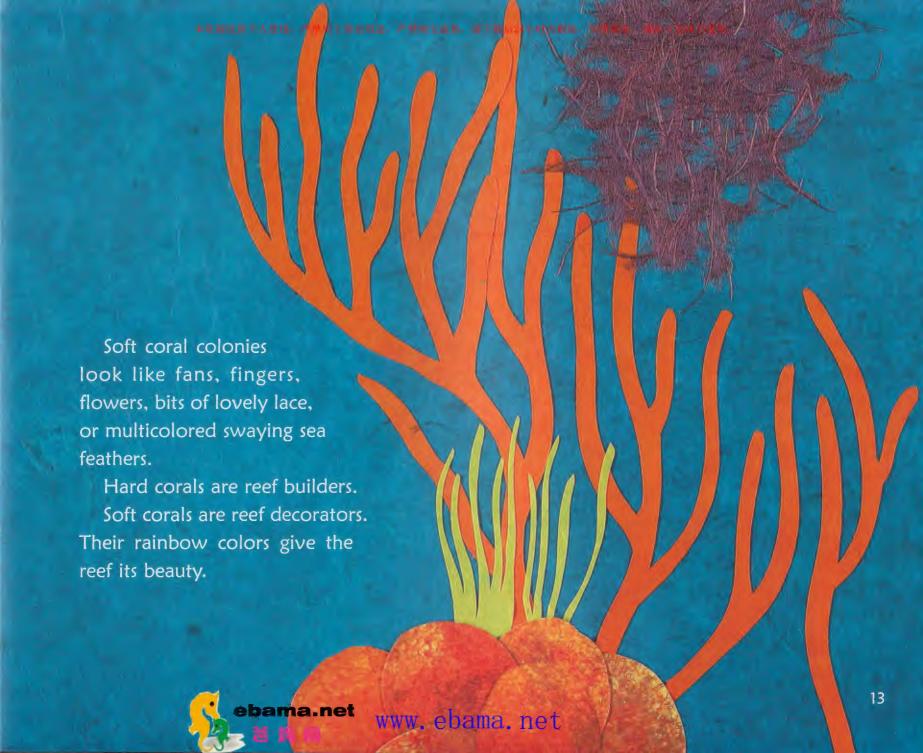
sand they cannot eat, which fills the cracks and crevices in the reef.

This makes the reef stronger so wave action doesn't tumble and crumble it.

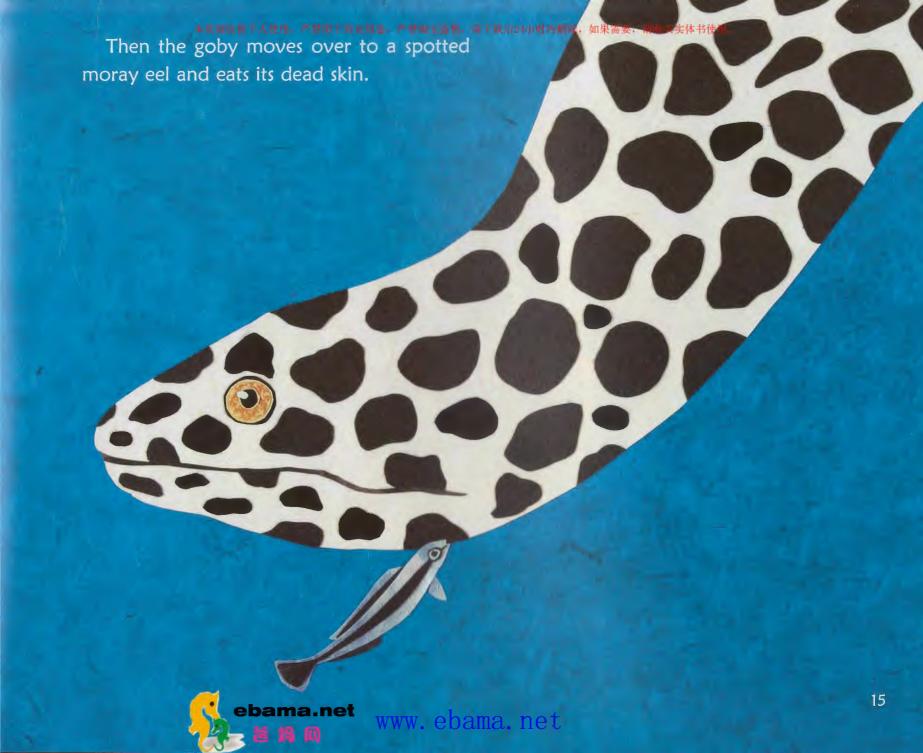


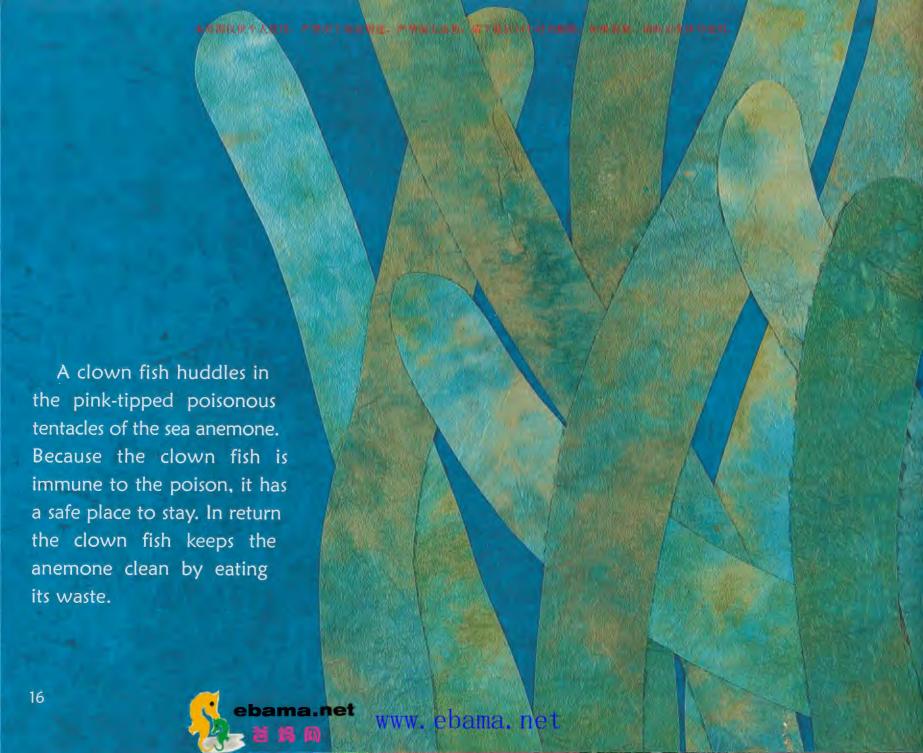




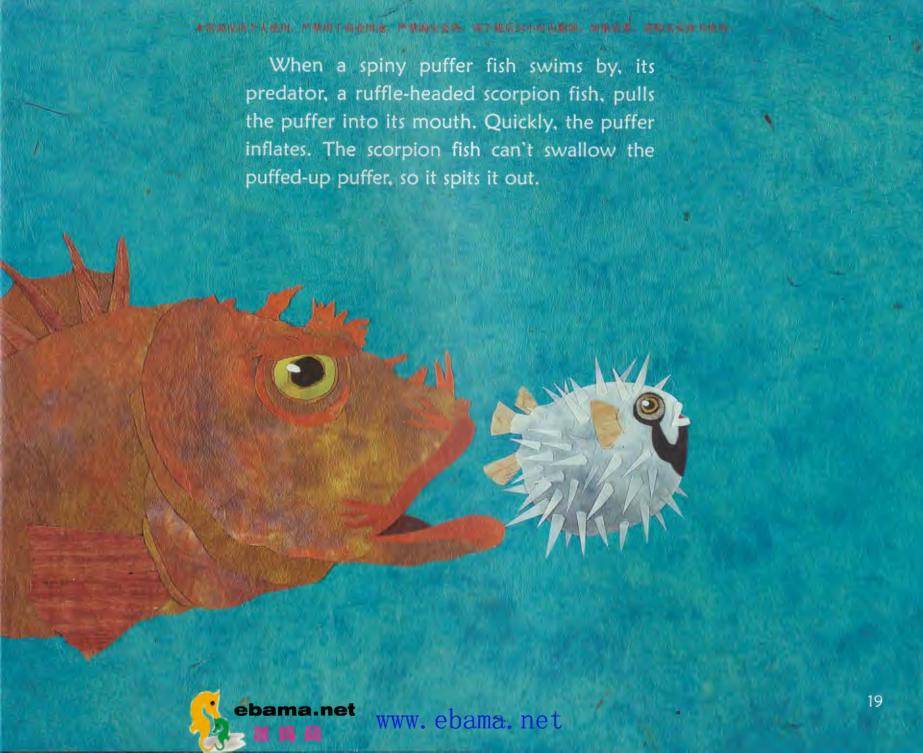












Many reef creatures also use camouflage as protection from predators. When a decorator crab leaves its safe hiding place, it snips off bits of sponge and attaches them to its shell for camouflage. When the crab gets hungry, it eats bits of food that collect on the surface of the sponge.

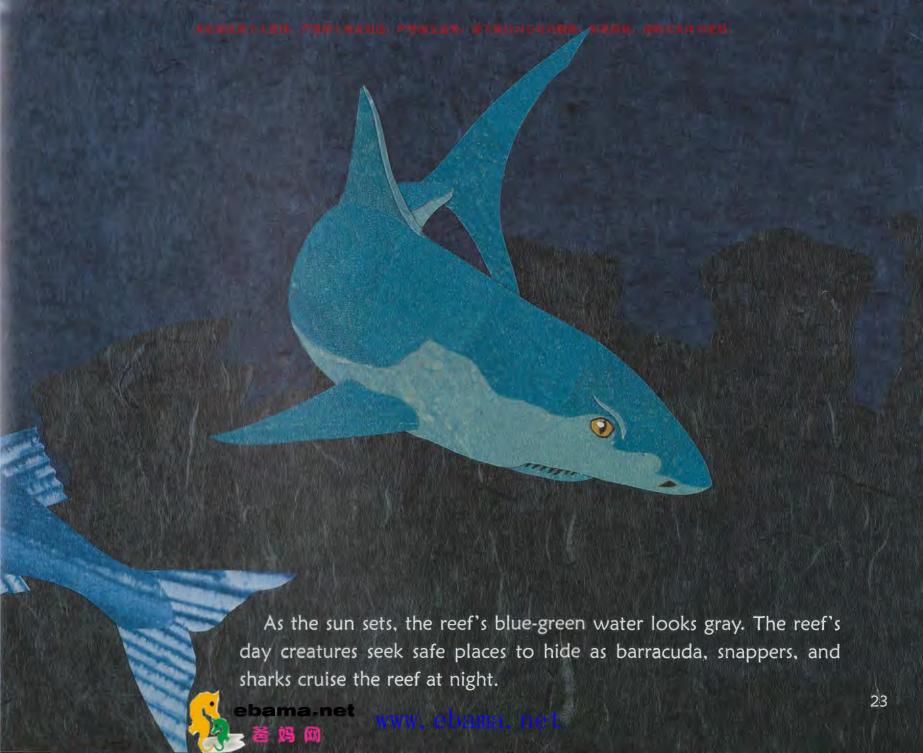




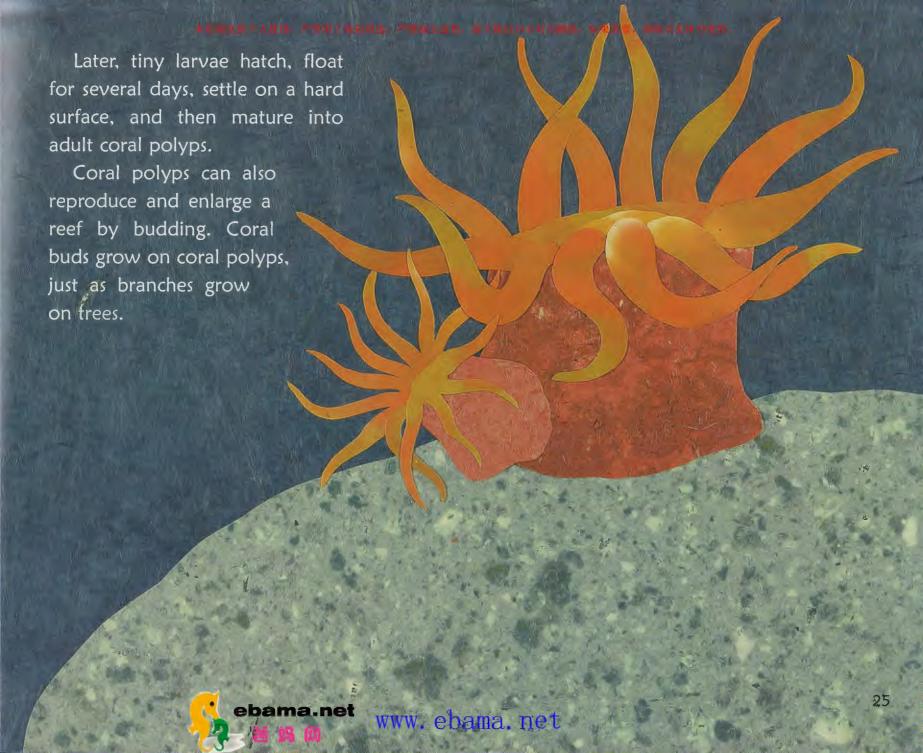
The four-eye butterfly fish confuses predators with false eye spots on its tail. Its enemies don't know which way the butterfly fish is headed.







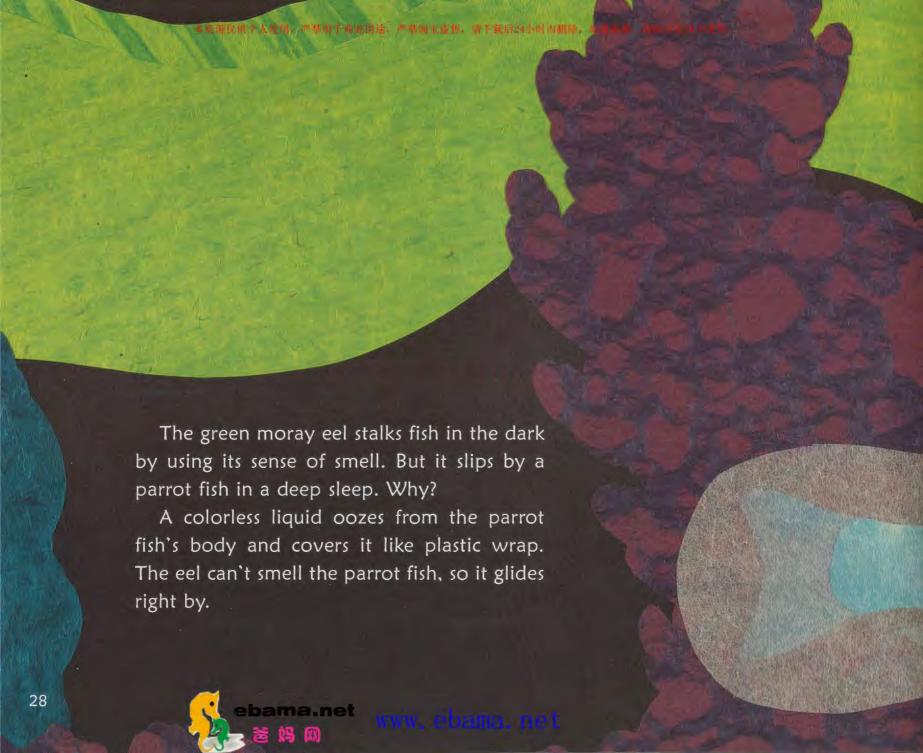




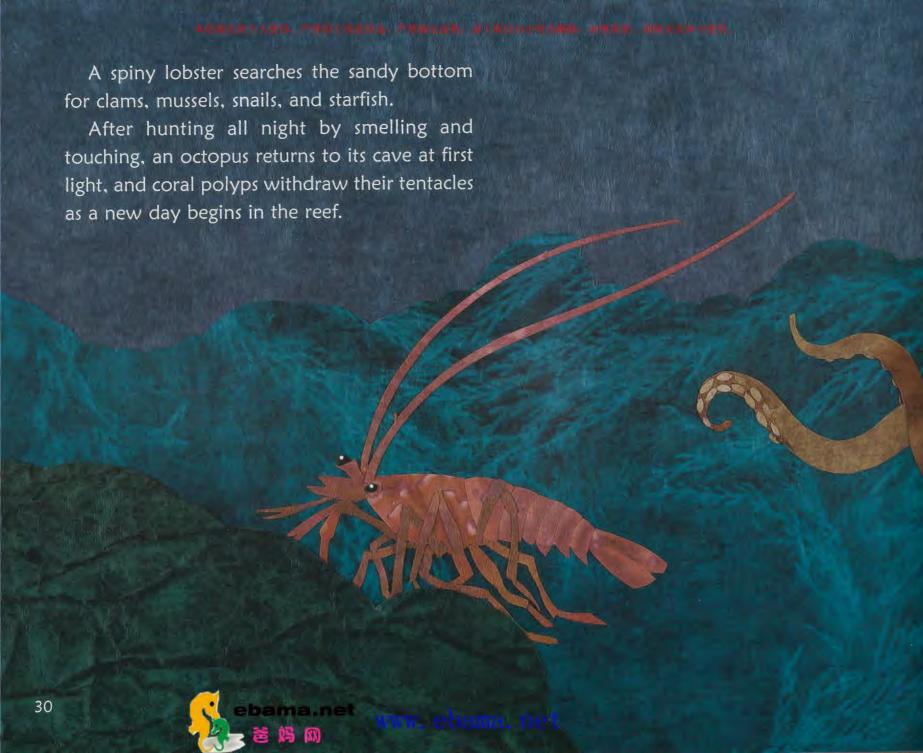


A flashlight fish, with light pouches under its eyes, attracts the zooplankton that it eats. Flaps of skin let the flashlight fish blink its lights on and off. The lights reflect off orange cup coral that bursts with color as it blooms at night.











Find Out More About Coral Reefs

Fun Facts

- * Although coral reefs cover less than 1% of Earth's surface, they are home to 25% of all marine fish species.
 - * Five hundred million people rely on coral reefs for food and jobs.
- * Without the coralline structures that support them, parts of Florida would be underwater.
- * Organisms found in coral reef environments have been used to help treat many diseases, including cancer, HIV, ulcers, and cardiovascular diseases.
- *Coral reefs generate an estimated \$375 billion per year around the world in goods and services.

Coral Reefs in Trouble!

- * An estimated 25% of coral reefs have already disappeared and an estimated two-thirds of all coral reefs are at risk today.
- * If the present rate of destruction continues, 70% of the world's coral reefs will be destroyed by the year 2050.
- * Nearly all of the reefs in Southeast Asia—the most species-rich reefs on Earth—are at risk.
- * Since 1975, more than 90% of the reefs in the Florida Keys have lost their living coral cover.



- *Threats to the world's coral reefs include:
 - * Pollution
 - * Disease
 - * Overfishing
 - * Dynamite and cyanide fishing
 - * Sedimentation
 - * Bleaching caused by rising ocean temperatures
 - * Rising levels of acid in seawater due to changes in the atmosphere



- *The Great Barrier Reef, Queensland, Australia—the largest coral reef system in the world
- *The Belize Barrier Reef—the second largest in the world, stretching from southern Quintana Roo, Mexico, and all along the coast of Belize down to the Bay Islands of Honduras
- *The New Caledonia Barrier Reef—the second longest double barrier reef in the world; located in the South Pacific, east of Australia
- *The Andros Barrier Reef—the third largest in the world, following along the east coast of Andros Island, Bahamas, between Andros and Nassau

*The Red Sea Coral Reef—located off the coast of Egypt and Saudi Arabia

*Pulley Ridge, Florida—the deepest photosynthetic coral reef in the world



Wendy Pfeffer is the author of several titles in the Let's-Read-and-Find-Out Science series, including SOUNDS ALL AROUND and WIGGLING WORMS AT WORK. She lives in Pennington, New Jersey.

Steve Jenkins received a Caldecott Honor for WHAT DO YOU DO WITH A TAIL LIKE THIS? He has written and illustrated ALMOST GONE and illustrated BUGS ARE INSECTS and WIGGLING WORMS AT WORK in the Let's-Read-and-Find-Out Science series. He lives in Boulder, Colorado. You can visit him online at www.stevejenkinsbooks.com.

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LET'S-READ-AND-FIND-OUT ABOUT

Coral Reefs



People admire coral reefs for their beautiful colors and diverse

marine population. In just one day you could see brilliantly colored

coral, four-eyed butterfly fish, spiny puffer fish, moray eels, and much more!

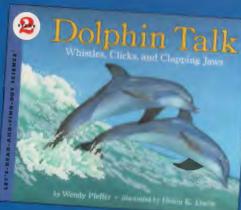
Few things in nature surpass the treasures contained in coral reefs. How

do these stunning underwater cities form? Read and find out!



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