

MINI-BOOKS: *EXPLORING THE DEEP-SEA REEF* AND *DEEP-SEA CORAL*

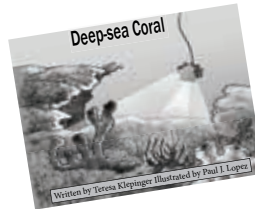
ACTIVITY: Read stories about deep-sea coral reefs and exploration

OVERVIEW: The *DEEP-SEA CORAL* and *EXPLORING THE DEEP-SEA REEF* stories show the reefs and how scientists explore the deep to find them.

DISCIPLINES: Language arts, STREAM

OBJECTIVES: Students will be able to:

- Recognize that coral is an animal
- Describe how coral builds a reef
- Explain how scientists use technology to explore the deep sea



MATERIALS:

- Photocopies of the mini-book(s). (one of each book per student, if using both books.)
- Crayons
- Child-safe scissors

OPTIONAL:

- Stapler

PREPARATION:

1) Photocopy (or print) the mini-books using both sides of the paper.

— Print pages 3 and 4 of this document for *Exploring the Deep*

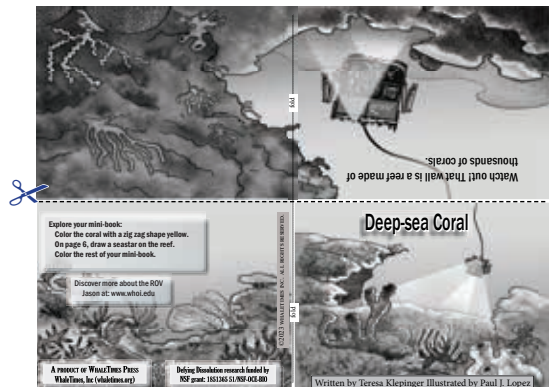
— Print pages 5 and 6 of this document for *Deep-Sea Coral*

— Be sure to select “2-sided” or “print on both both sides” setting. Then select “flip on the long edge/side” if printing from computer and some copy machines. It is a good idea to make one book to be sure settings are correct.

CREATE MINI-BOOK:

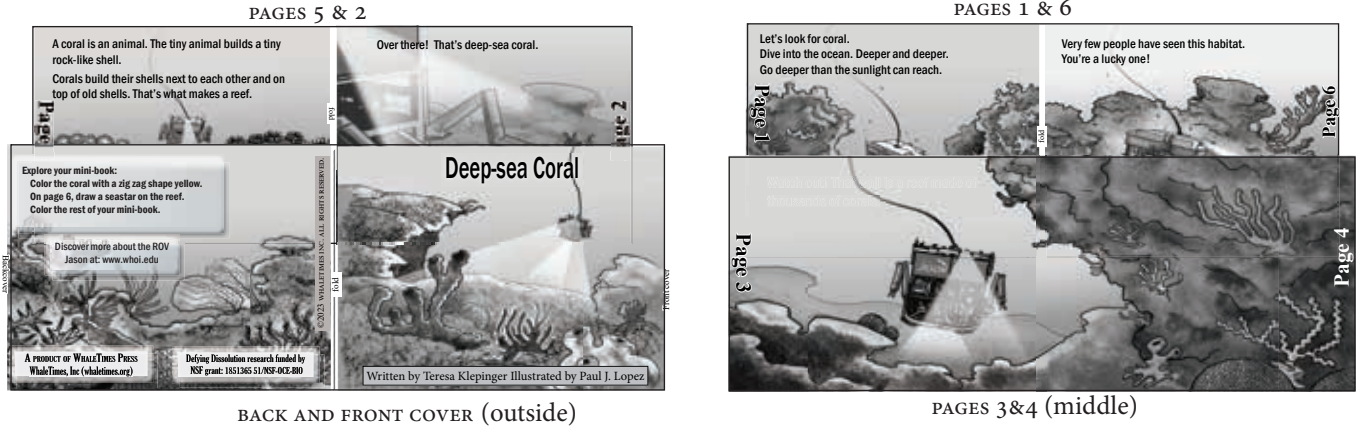
Step 1: Cut page in half along dotted line. (Note if cutting with scissors, we find it easier to first fold the paper along the cut line. Then unfold to cut.)

Depending on the age of student and time allotted for activity, either students can cut and fold story or an adult can prepare in advance.

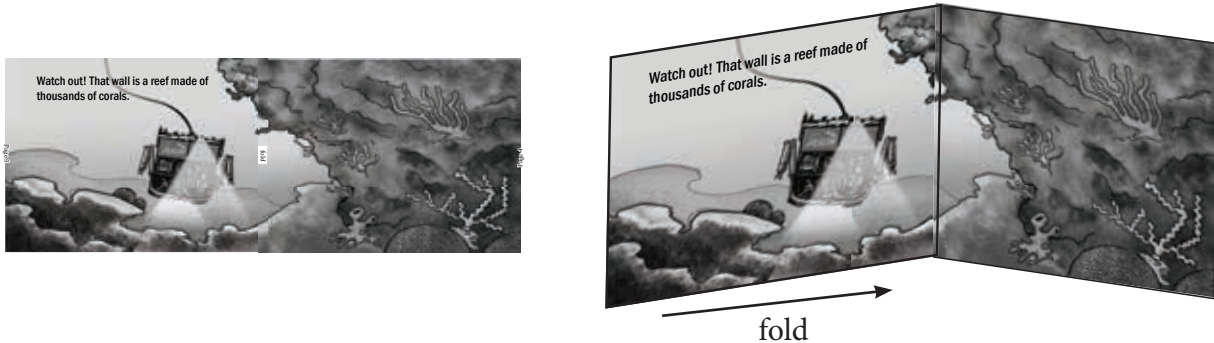


MINI-BOOK INSTRUCTIONS CONTINUED

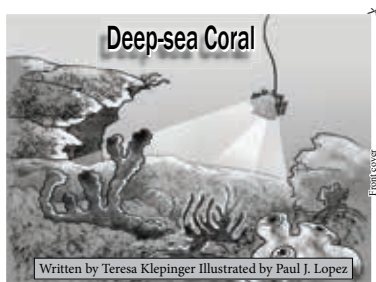
Step 2: Place the cut halves so pages 1 & 6 and 2 & 5 are together. This means the back and front cover are visible on the outside and pages 3 & 4 are visible on the inside.



Step 3: Place book so pages 3 & 4 are facing you. (The back and front cover side should be facing away.) Fold the book in half.



Step 4: The front (and back) cover should be visible.

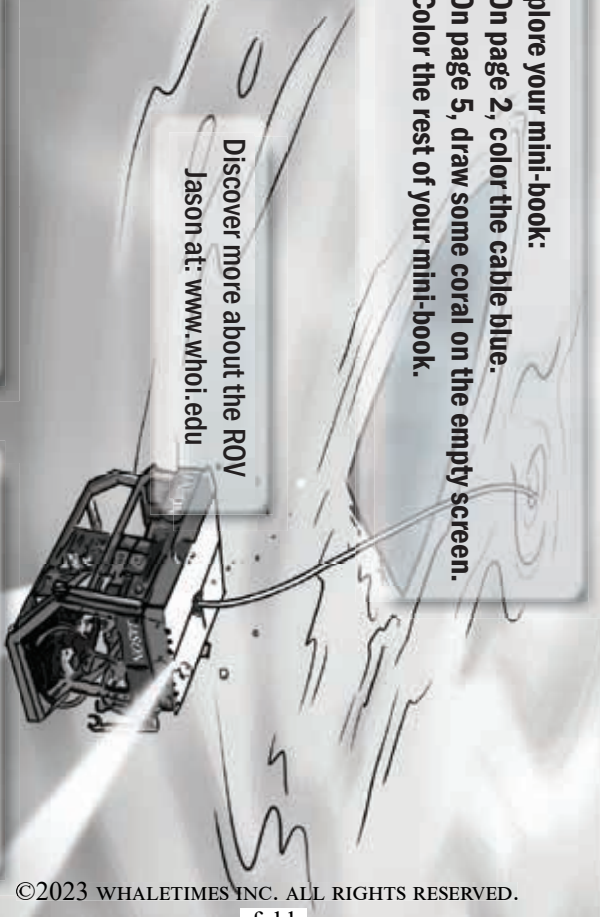


Step 5: OPTIONAL: Open the book to page 3 & 4; Add a staple or two in the center fold to hold the book together.

Step 6: Read the book(s)! Then color!

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Defying Dissolution research funded by
NSF grant: 1851365 51/NSF-OCE-BIO



Discover more about the ROV
Jason at: www.who.i.edu

Explore your mini-book:
On page 2, color the cable blue.
On page 5, draw some coral on the empty screen.
Color the rest of your mini-book.

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fold

Carefully, Jason reaches out
and plucks a piece of
coral to take to the ship.



fold

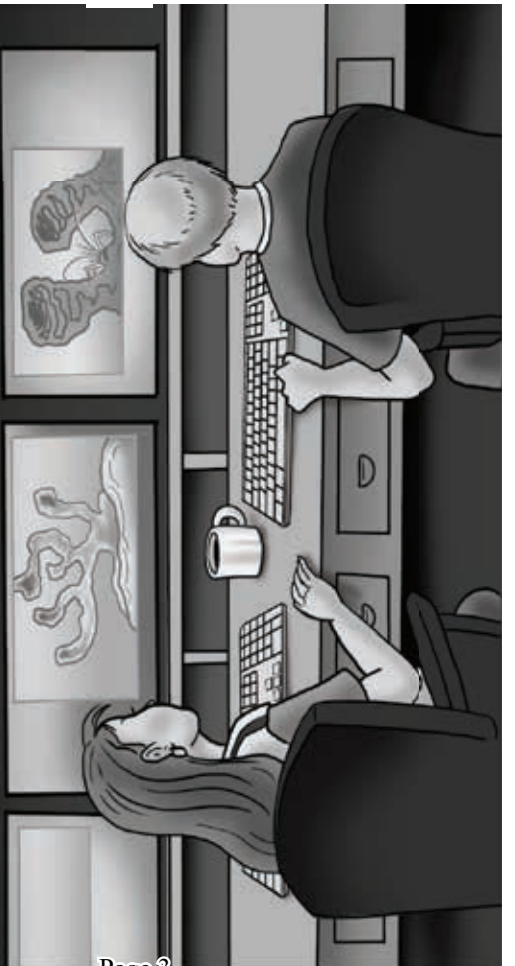
Exploring the Deep-sea Reef

Written by Teresa Klepinger Illustrated by Paul J. Lopez



Front cover

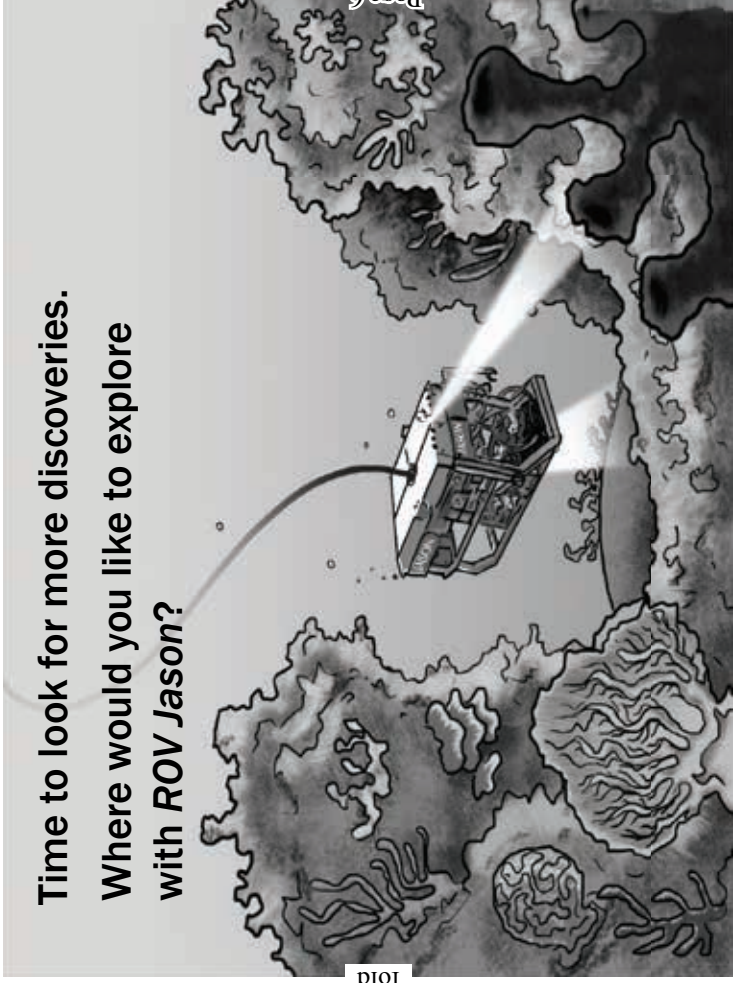
“Look, coral!” one of the scientists shouts.
“They found a new deep-sea reef!”



Page 3



The ship slowly lowers ROV Jason into the ocean.

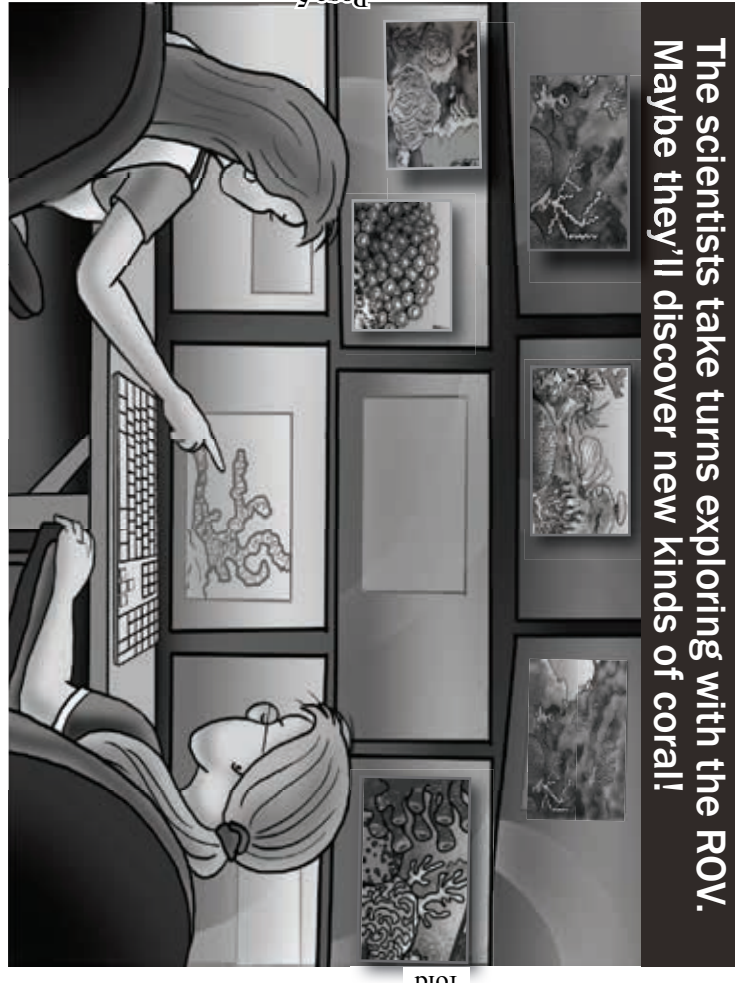


Time to look for more discoveries.
Where would you like to explore
with ROV Jason?

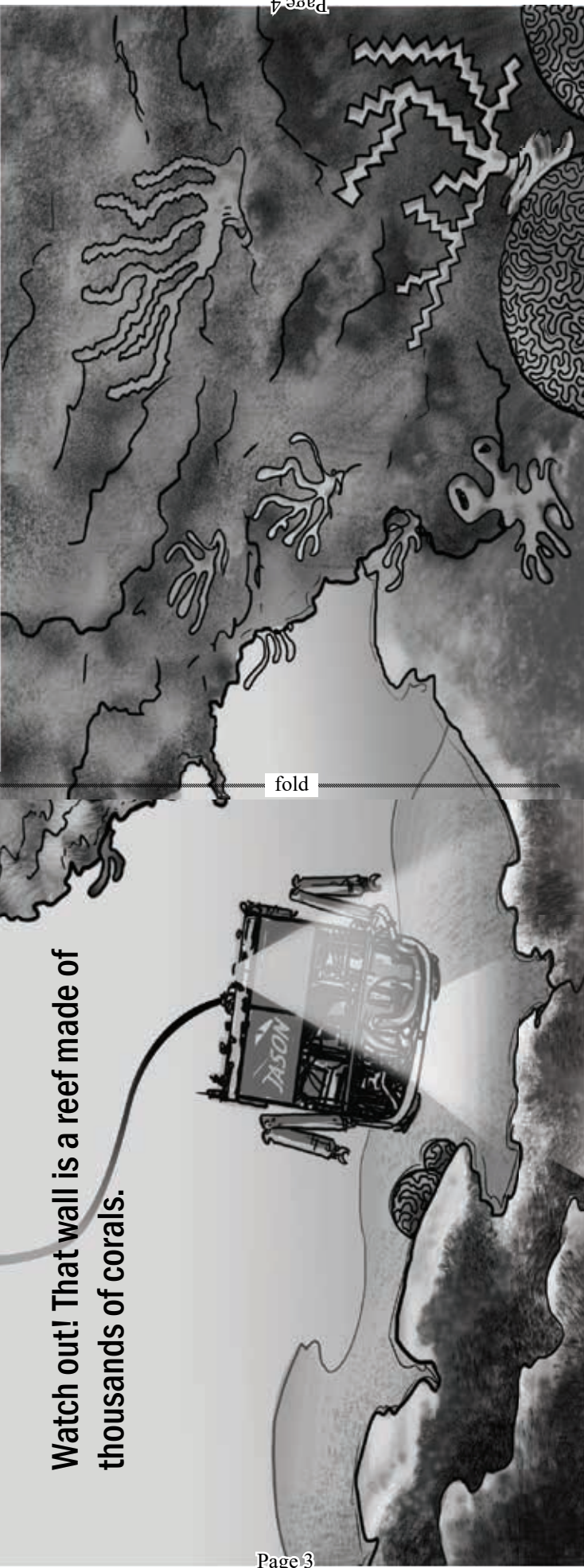


It's off to explore the deep sea. Pilots aboard
the ship guide the ROV to search for coral.

← Information is sent to and from
the ship through the cable

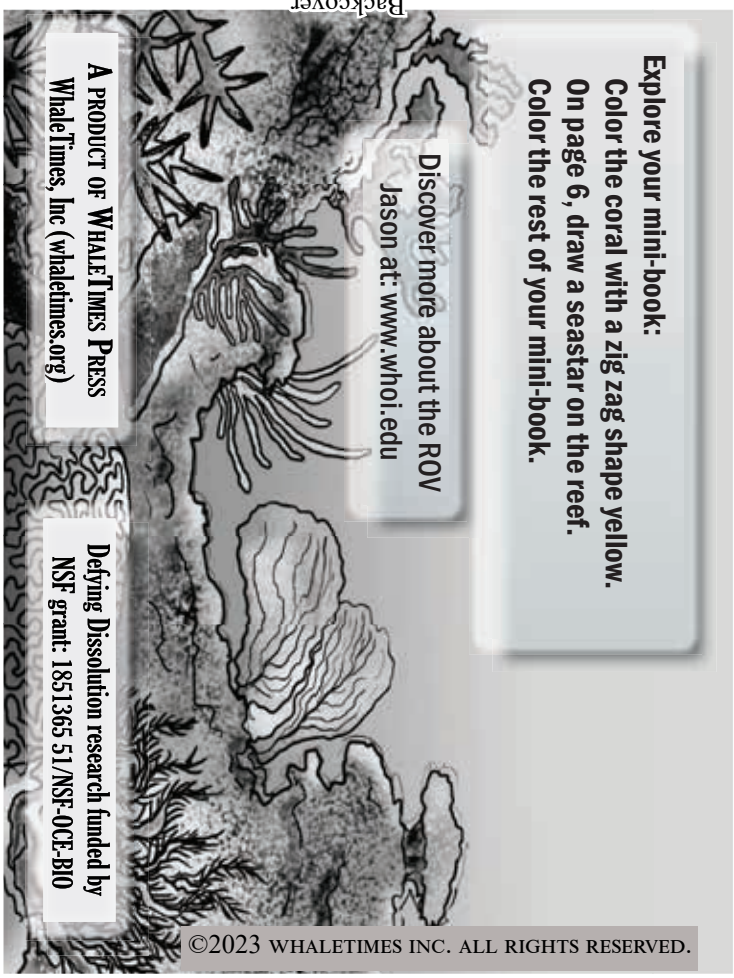


The scientists take turns exploring with the ROV.
Maybe they'll discover new kinds of coral!



fold

Watch out! That wall is a reef made of thousands of corals.



fold

Deep-sea Coral

Written by Teresa Klepinger Illustrated by Paul J. Lopez

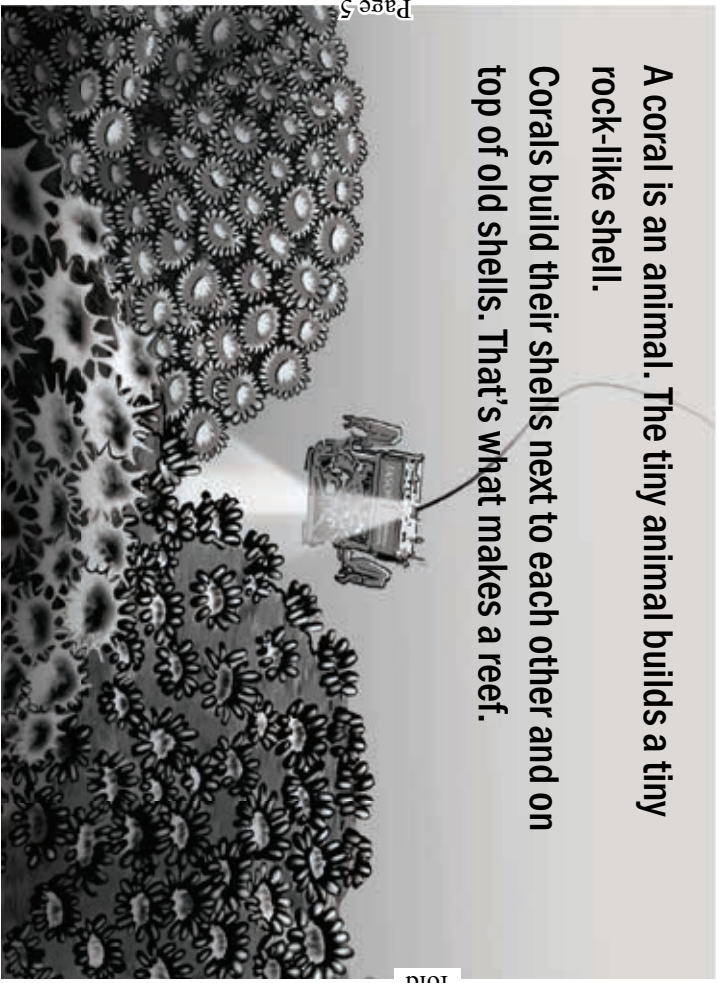
Explore your mini-book:

Color the coral with a zig zag shape yellow.
On page 6, draw a seastar on the reef.
Color the rest of your mini-book.

Discover more about the ROV
Jason at: www.whoj.edu

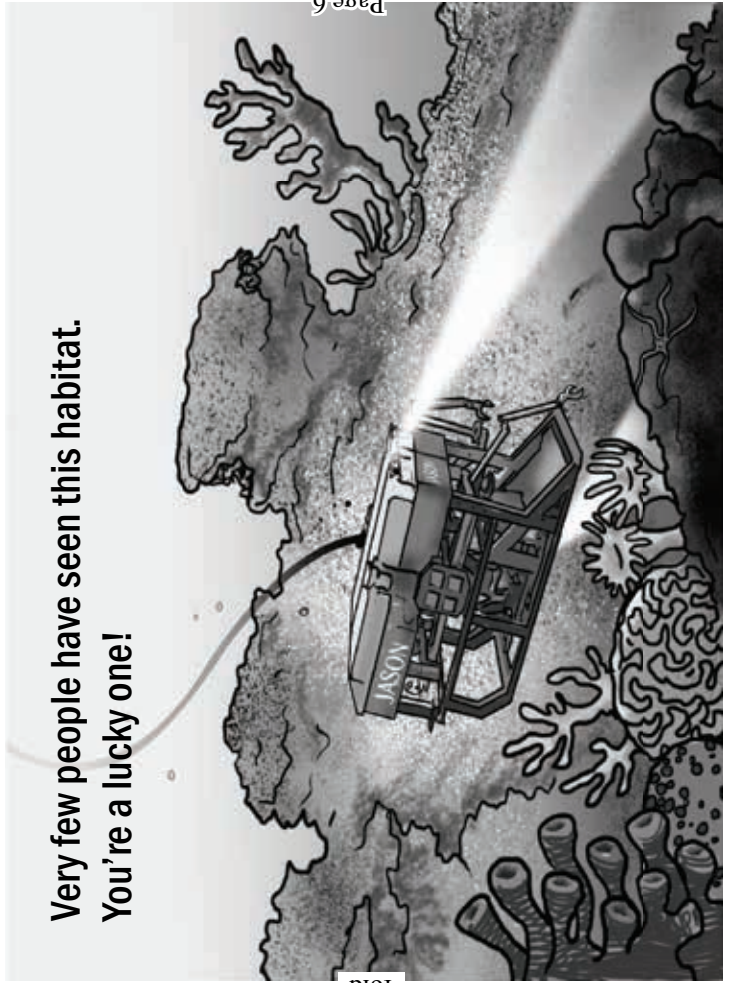
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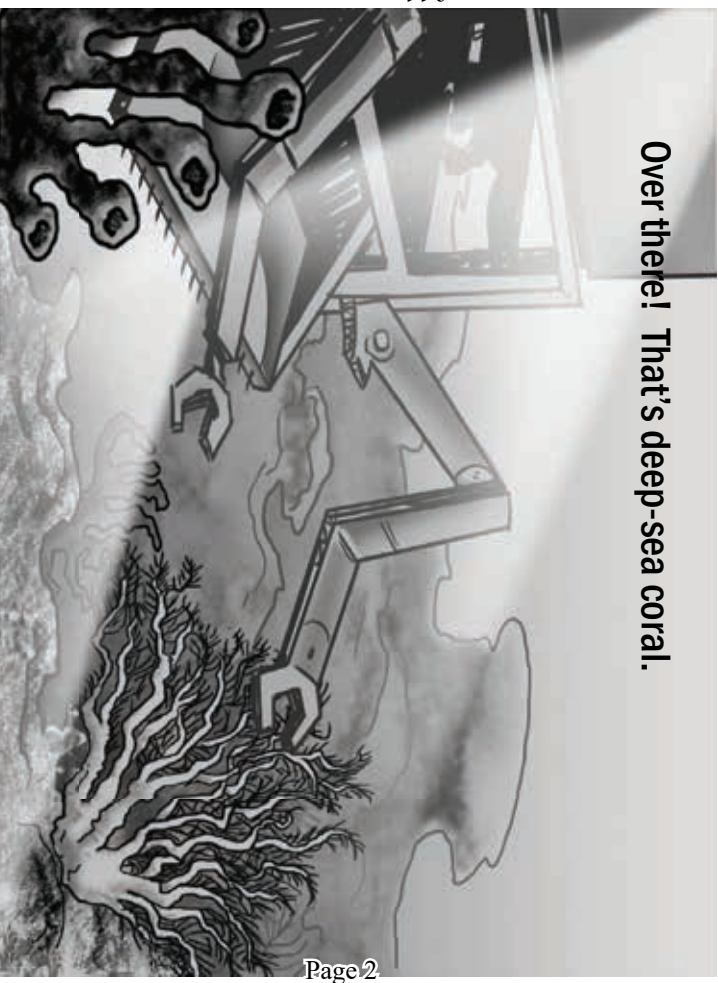
A coral is an animal. The tiny animal builds a tiny rock-like shell. Corals build their shells next to each other and on top of old shells. That's what makes a reef.

Page 5



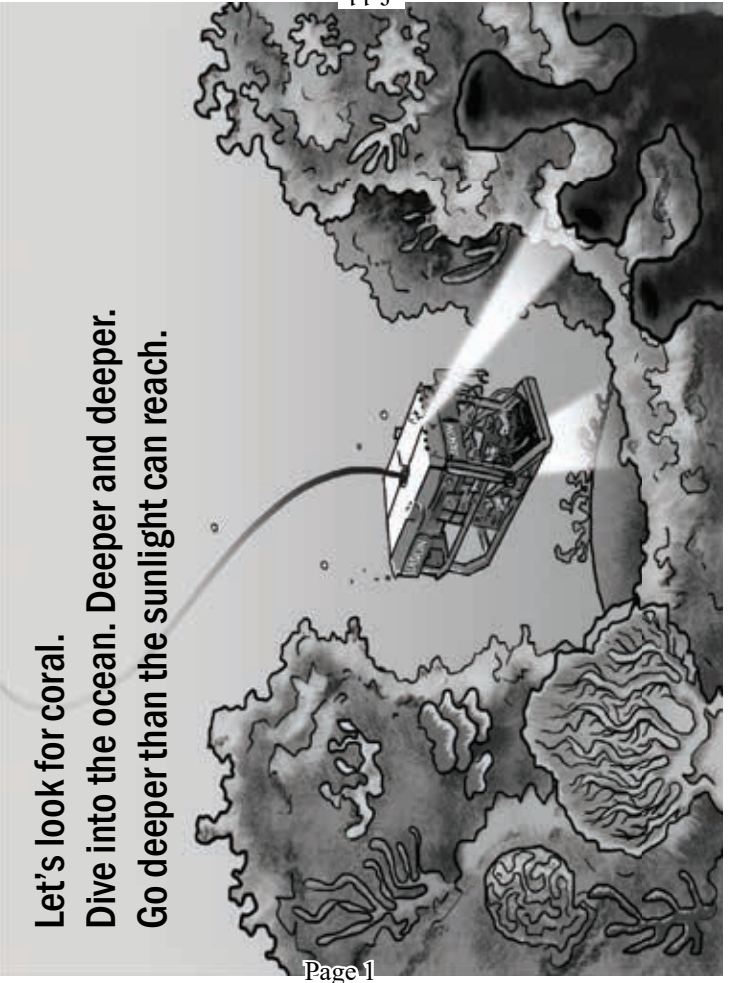
Very few people have seen this habitat. You're a lucky one!

Page 6



Over there! That's deep-sea coral.

Page 2



Let's look for coral. Dive into the ocean. Deeper and deeper. Go deeper than the sunlight can reach.

Page 1