To J.G. and the whole Half Dome / Point Reyes group.

Thank you to Steven Haddock from MBARI for his expertise and guidance!



Text and illustrations copyright © 2022 by Julia Kuo

## 22 23 24 25 26 5 4 3 2 1

All rights reserved. No part of this book may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, without the prior written consent of the publisher or a license from The Canadian Copyright Licensing Agency (Access Copyright). For a copyright license, visit accesscopyright.ca or call toll free to 1-800-893-5777.

> Greystone Kids / Greystone Books Ltd. greystonebooks.com

Cataloguing data available from Library and Archives Canada ISBN 978-1-77164-888-2 (cloth) ISBN 978-1-77164-889-9 (epub)



Editing by Kallie George Copyediting by Dawn Loewen Proofreading by Becky Noelle Jacket and text design by Sara Gillingham Studio Scientific review by Steven Haddock, PhD, Senior Scientist and Marine Biologist, http://biolum.eemb.ucsb.edu/

Printed and bound in Singapore at COS Printers Pte Ltd. The FSC® label means that materials used for the product have been responsibly sourced.

The illustrations in this book were rendered in Adobe Photoshop.

Greystone Books gratefully acknowledges the Musqueam, Squamish, and Tsleil-Waututh peoples on whose land our Vancouver head office is located.

Greystone Books thanks the Canada Council for the Arts, the British Columbia Arts Council, the Province of British Columbia through the Book Publishing Tax Credit, and the Government of Canada for supporting our publishing activities.





JULIA KUO



When it's dark out,

## we need light to see.



Light is a kind of energy that our eyes can see. Some light sources are natural, like the sun and fire. Other sources of light, like light bulbs, are created by people.



When a living creature, like a firefly, produces light, it is called bioluminescence. Bioluminescent creatures make the light through special chemical reactions inside their bodies.



## But what if your body could make its own light?

