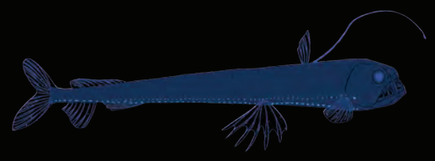
To J.G. and the whole
Half Dome / Point Reyes group.

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)

MIX
Paper from responsible sources
FSC® C016973

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.

Canada Canada Council for the Arts Conseil des arts du Canada British Columbia British Columbia Arts Council An agency of the Province of British Columbia

LUMINOUS

Living Things That Light Up the Night

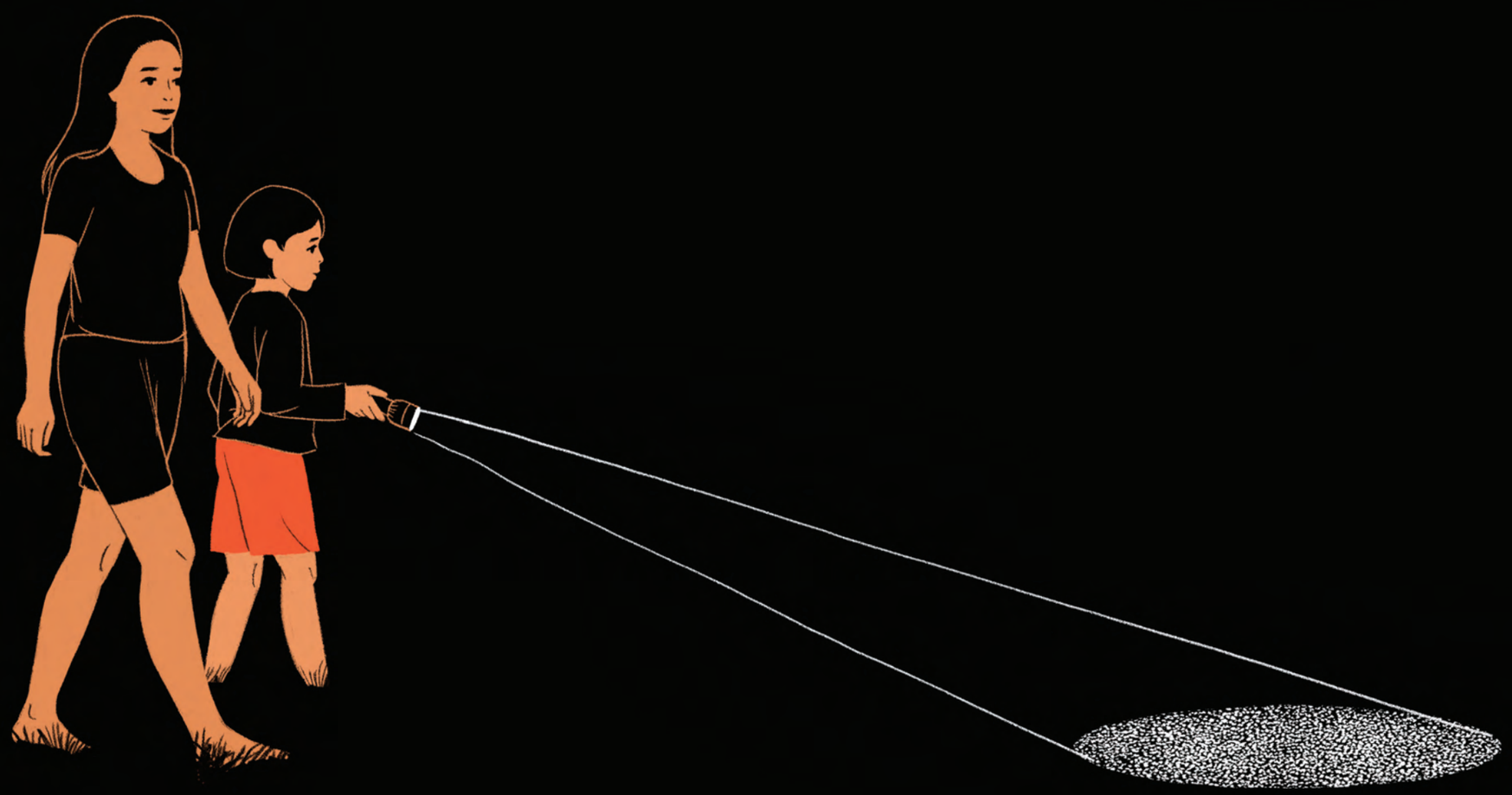


JULIA KUO

GREYSTONE KIDS
GREYSTONE BOOKS • VANCOUVER / BERKELEY / LONDON

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.

But what if your body could make its own light?

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.