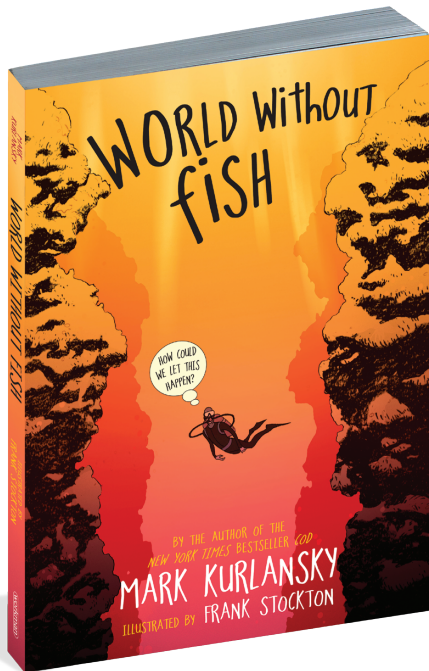




As featured in
the New York
State Education
Department's
Expeditionary
Learning Common
Core ELA
Curriculum

"A wonderfully fast-paced and engaging primer on the key questions surrounding fish and the sea. **GREAT FOR A CLASSROOM.**"

—PAUL GREENBERG, author of *Four Fish*



Paper: \$14.95 • \$19.95 Can.
ISBN: 978-0-7611-8500-0 • No. 18500

World Without Fish is the uniquely illustrated narrative nonfiction account—for kids—of what is happening to the world's oceans and what they can do about it.

Written by **Mark Kurlansky**, *World Without Fish* connects all the dots—biology, economics, evolution, politics, climate, history, culture, food, and nutrition—in a way that kids can really understand. It describes how the fish we most commonly eat, including tuna, salmon, cod, swordfish—even anchovies—could disappear within fifty years, and the domino effect it would have: the oceans teeming with jellyfish and turning pinkish orange from algal blooms, the seabirds disappearing, then reptiles, then mammals. It describes the back-and-forth dynamic of fishermen, who are the original environmentalists, and scientists, who not that long ago considered fish an endless resource. It explains why fish farming is not the answer—and why sustainable fishing is, and how to help return the oceans to their natural ecological balance. Interwoven with the book is a twelve-page full-color graphic novel. Each beautifully illustrated chapter opener links to the next to form a larger fictional story that perfectly complements the text.

World Without Fish has also been included in the New York State Expeditionary Learning English Language Arts Curriculum. To access that curriculum, please visit: <http://commoncoresuccess.elschools.org/curriculum/ela/grade-6/module-3B>.



awards, including a James A. Beard Award, an ALA

MARK KURLANSKY is a former commercial fisherman and the *New York Times* bestselling author of *Cod*, *Salt*, *The Big Oyster*, and other books. He's won numerous

Notable Book Award, a New York Public Library Best Books of the Year Award, and a National Parenting Publications (NAPPA) gold award for *World Without Fish*. He lives with his wife and daughter in New York City and Gloucester, Massachusetts. His website is markkurlansky.com.



DISCUSSION GUIDE

1. What is the central idea of *World Without Fish*? How is it conveyed throughout the book? RST.6-8.1,2
2. Define: sustainability, extinction, adaptation, food web/chain, overfishing, cataclysm, pollution, climate change/global warming, “a movement”, and environmental group. Write a paragraph using ALL of these terms BEFORE reading *World Without Fish* and also after reading it. RST.6-8.4/W.6.4
3. How does the author’s background influence his writing? What kind of person do you think he is? How does Kurlansky’s point of view contribute to the authenticity of the content?
4. Discuss Kurlansky’s purpose in writing *World Without Fish*. What does he want to answer, explain, or describe? How is his purpose conveyed through the text? RI.6.6
5. Analyze the structure Kurlansky uses to organize the text. How do the major sections contribute to the book’s message and to an understanding of the topic? RST.6-8.5
6. How does Kurlansky integrate visual information? How are the illustrations and graphics used to develop the topic and promote a coherent understanding of ideas? RST.6-8.7
7. How does the style and content contribute to the power, persuasiveness, and beauty of the book? RST.6-8.7,9
8. Analyze Kurlansky’s purpose in the opening paragraph for each chapter. Use evidence from the text to explain how the content contributes to the development of ideas and how he supports specific points. RST.6-8.6/RI.6.5
9. Do you feel the author uses loaded language or includes or avoids particular facts? RST.6-8.6
10. Trace and evaluate the argument and specific claims in the text, distinguishing claims that are supported by reasons and evidence from claims that are not. RI.6.8
11. Analyze in detail how Charles Darwin is introduced and illustrated throughout the book. What was Darwin’s greatest contribution according to Kurlansky? Explain.
12. Explain the roles and relationships among producers, consumers, and decomposers in the process of energy transfer in a food web.
13. Discuss how the entire earth can be considered a single food web.
14. List some examples of ways in which organisms interact and have different functions that promote the survival of an ecosystem.
15. How can adaptation and environment lead to the extinction of a species?
16. Use information from *World Without Fish* to support this statement: “A great diversity of species increases the chance that at least some living things will survive in the face of large changes in the environment.”
17. Fishermen have always taken fish from the sea. Explain the historical impact of the fishing industry. How has the industry changed and what lessons can we learn from its history? RH.6-8.3
18. Why is it important to examine the past?
19. What impact did the Industrial Revolution have on relationships between people and nature, politics, art, and architecture?
20. Discuss the impact of the fishing industry as a whole on marine life.
21. Explore issues pertaining to specific fish species.
22. Discuss the impact of overfishing in the late 1990s. What evidence proved its existence?
23. How is overfishing a global issue?
24. What are the effects of climate change on ocean life?



DISCUSSION GUIDE

25. Discuss the history of the Grand Banks and how it impacted the belief that fish populations could in fact be completely destroyed.
26. How can we help fish re-populate? Can we simply stop fishing? What about fish farming? Explain.
27. What did the Orange Roughy fish teach us about commercial fishing far out at sea?
28. Explain why this particular fish is one of the most threatened.
29. Discuss the ongoing debate between scientists and fisherman.
30. Discuss the misconception that fish can never go extinct because they lay so many eggs.
31. What is the key to success for all life on earth?
32. Discuss the deadly pollutants that affect ocean ecosystems. How do they affect you personally?
33. Discuss the opportunities available to save the planet.
34. How did you connect personally to *World Without Fish*?
35. Write a letter to Mark Krulansky explaining how the book changed or validated the way you think and feel.

THINK ABOUT IT!

1. How do our choices affect ourselves, our communities, and the world?
2. What is your responsibility to yourself, your community, and the world?
3. How can one individual make a difference?
4. How can a group of individuals make a difference?
5. What can you do to make change in a system?
6. **What will YOU do?**

COMMON CORE STATE STANDARDS

VENDOR	BOOK TITLE	ISBN	JOB DATE	GRADE	Guided Reading Level	Grade Level Equivalent	ATOS	RRL	LEXILE	CCSSStrand
Workman Publishing	World Without Fish	9780761185000	8/27/2014	6	X	6		n/a		L.6.4,4a,4c,4d,5,5b,5c,6
Workman Publishing	World Without Fish	9780761185000	8/27/2014	6	X	6		n/a		SL.6.1,1a,1b,1c,1c,2,3,4,5,6
Workman Publishing	World Without Fish	9780761185000	8/27/2014	6-8	X	6		n/a		WHST.6-8.2,2a,2b,2c,2d,2e,2f,9,10
Workman Publishing	World Without Fish	9780761185000	8/27/2014	6-8	X	6		n/a		WHST.6-8.1,1a,1b,1c,1d,1e,4,6,7,8
Workman Publishing	World Without Fish	9780761185000	8/27/2014	6-8	X	6		n/a		RH.6-8.1,2,3,4,5,6,7,8,10
Workman Publishing	World Without Fish	9780761185000	8/27/2014	6	X	6		n/a		RI.6.1,2,3,4,5,6,7,8,10
Workman Publishing	World Without Fish	9780761185000	8/27/2014	6-8	X	6		n/a		RST.6-8.1,2,4,5,6,7,8,9,10