

TIME for KIDS

EDITION 5-6
TEACHER'S GUIDE

VOL. 14, NO. 15
JANUARY 19, 2024

SAVE OUR OCEANS



INSIDE THE MAGAZINE

News Brief	2
<i>"Lunar Lander Problems"</i>	
Snapshot and Kid of the Week	3
Cover Story: Environment	4-5
<i>"Sea Change"</i>	
Careers	6-7
<i>"The Business of Bees"</i>	
Debate	8
<i>"Should Libraries Charge Late Fees?"</i>	

INSIDE THIS GUIDE

2
3
4
5
6
7

Cover Lesson

Students will read field notes from an ocean exploration before writing some of their own.

"Field Notebook" Worksheet

Students will use the template to write and/or sketch about an adventure.

Cover Quiz

Assess students' understanding of the article "Sea Change."

Mini-Lessons

- Students will learn about products made by bees.
- Students will take part in a debate.

Magazine Quiz

Assess students' understanding of the magazine Save Our Oceans.

Your Job Ad

Learn about Power Skills courses at ti.me/skills.

TFK PUBLISHING SCHEDULE

JANUARY

SUN	MON	TUE	WED	THU	FRI	SAT
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
BREAK						
4	5	6	7	8	9	10
BREAK						

 Current issue date

 Future issue dates

Customer Service: 800-777-8600
Email the editors: tfkteachers@time.com



STANDARDS
SCIENCE (NGSS)
Earth and Human Activity

CCSS: RI.1, RI.3, RI.7, SL.1, W.2

ARTICLE

SEA CHANGE

PP. 4–5

Marine ecologist Eric Sala offers hope for the effort to protect the world's oceans.

LEXILE LEVELS

Main: 930L

Alternate: 7350L, 1080L

LESSON MATERIALS

- “Field Notebook” worksheet (see p. 3 of this guide)
- Cover Quiz (see p. 4 of this guide)

BEFORE READING

Start the lesson by asking students to note down their responses to the following question: Why does the ocean matter? Then bring the class back together and have volunteers share their responses. Ask students to raise a hand if they think the ocean should be protected. Explain that only 8% of the ocean is protected now. But today, they'll be reading about Eric Sala and his Pristine Seas project, aimed at protecting more of our oceans.

DISCUSSION QUESTIONS

- How are whale poop and wildfires related?
- Why does Eric Sala want to protect the ocean?
- What is Pristine Seas? What has it accomplished?
- Do you think more of the ocean should be protected? Do you think more of it should be explored? Explain.

CLOSING ACTIVITY

Group the class into five groups and pull up the National Geographic Pristine Seas page at [ti.me/PristineSeas](https://www.nationalgeographic.com/pristine-seas/). Show the video. Then assign each group the field notes from one of the five places included (the Federated States of Micronesia, the Marshall Islands, Niue, the Cook Islands, and Kiribati). Have groups scroll to the bottom of the field notes for their page to read the notes chronologically. Instruct each group to discuss and take notes about each trip and what was learned/studied. Bring the class back together and have groups share their findings with each other. Then ask: Why do you think the team shared these field notes publicly? Has being able to read them made any impact on you? Explain.

Share this blog post at [ti.me/fieldnotes](https://www.nationalgeographic.com/pristine-seas/field-notes/). Discuss: How do field notes impact future generations? Invite students to try their hand at taking field notes. Provide them with the worksheet “Field Notebook,” on page 3 of this guide.

ANSWER KEY

Cover Story Quiz

1. D (RI.3) 2. A (RI.1) 3. C (RI.8) 4. A (RI.1) 5. D (RI.2)
6. C (RI.4) 7. Answers will vary. (W.2)

Magazine Quiz

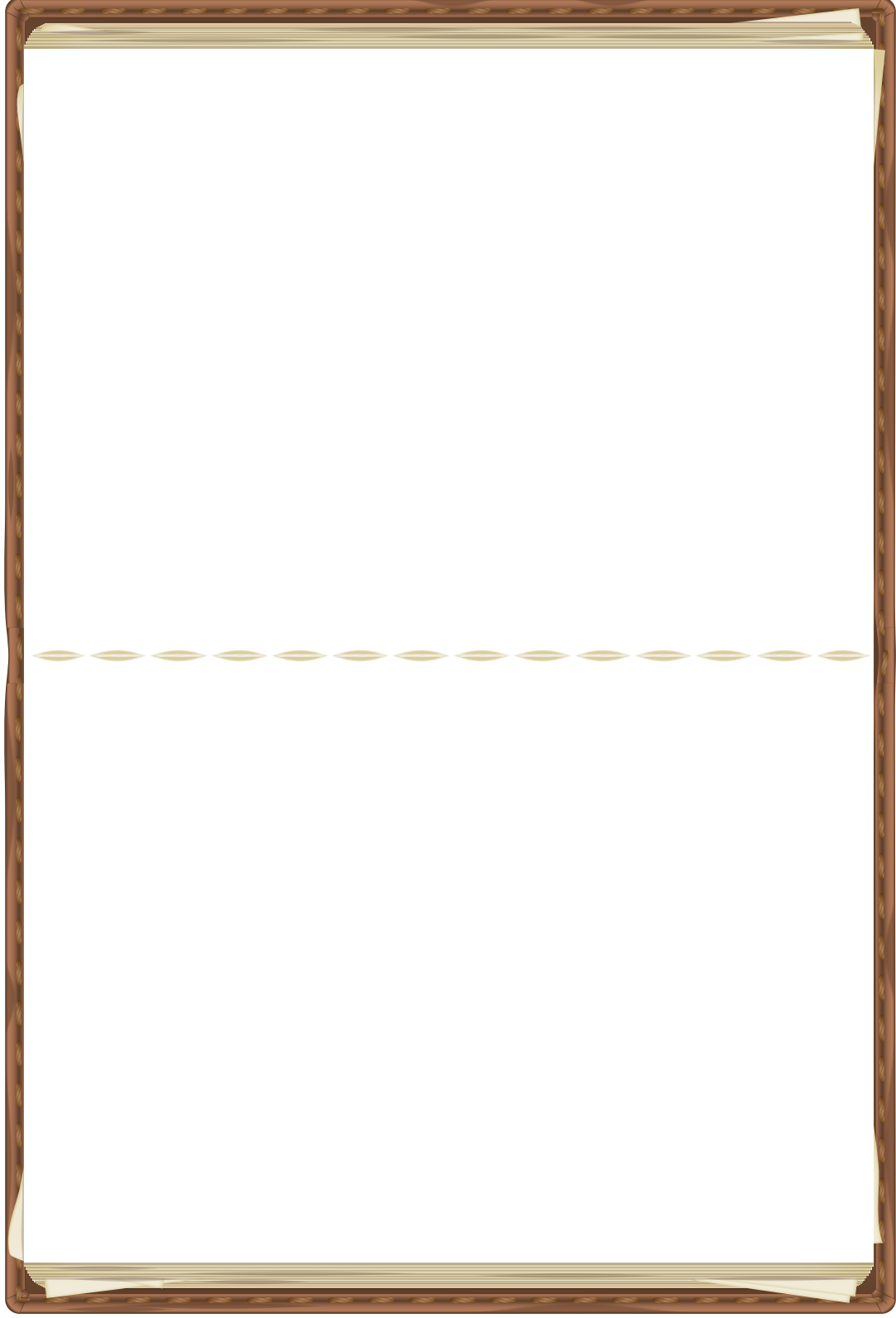
1. C (RI.1) 2. B (RI.5) 3. D (RI.3) 4. A (RI.1)
5. D (RI.2) 6. B (RI.3) 7. A (RI.6) 8. A (RI.9)

Name _____ Date _____



Field Notebook

Read “Sea Change” (January 19, 2024), about Eric Sala and Pristine Seas. After learning more about Pristine Seas’ expeditions, go on your own adventure and take field notes about your observations and reflections.



PAL1983—GETTY IMAGES

Name _____ Date _____

Use this week's cover story, "Sea Change," to answer the questions below. For questions 1–6, circle the letter next to the best answer. If you need more space to write your response to question 7, use the back of this page.

<p>1. How does plankton benefit the planet?</p> <p>A. It cleans whale poop from the ocean.</p> <p>B. It provides nutrients for algae.</p> <p>C. It cools the oceans by absorbing sunlight.</p> <p>D. It absorbs carbon dioxide, which is a planet-warming gas.</p>	<p>4. What is Sala's solution for protecting the world's oceans?</p> <p>A. Identify the most biodiverse areas and convince people to protect them.</p> <p>B. Encourage people to stop burning fossil fuels.</p> <p>C. Hope for the best.</p> <p>D. Focus on saving the whales.</p>
<p>2. According to the article, which quality makes Enric Sala an effective ocean advocate?</p> <p>A. his ability to explain scientific topics simply</p> <p>B. his documentary production</p> <p>C. his persuasive speaking</p> <p>D. his knowledge of ocean food chains</p>	<p>5. Which detail would not be included in a summary of this article?</p> <p>A. Pristine Seas has gotten 2.5 million square miles of coastline and ocean protected.</p> <p>B. Increasing ocean acidity weakens ocean habitats.</p> <p>C. Protecting our oceans is a cheaper way to lessen the effects of burning fossil fuels.</p> <p>D. In summer 2023, there was a wildfire in Canada.</p>
<p>3. The data included from the National Oceanic and Atmospheric Administration helps the reader understand</p> <p>A. the amount of the ocean that is protected.</p> <p>B. the increase in Colombia's marine protected areas.</p> <p>C. the extent of the ocean that is warmer than normal.</p> <p>D. the decrease in healthy coral.</p>	<p>6. What is coral bleaching?</p> <p>A. a color change caused by cold water</p> <p>B. corals becoming healthier when cleaned</p> <p>C. coral losing its color as its food source disappears</p> <p>D. an indicator of a balanced ecosystem</p>

7. Describe one connection between the ocean and climate change.

ARTICLE

THE BUSINESS OF BEES

PP. 6–7

Asli Samanci is a food scientist. Her company creates health products using substances made by bees.

**STANDARDS**

SOCIAL STUDIES (NCSS)

Production, Distribution, and Consumption

CCSS: RI.1, RI.3, RI.9

BEFORE READING

Ask students if they know where the phrase “mind your own beeswax” comes from. Explain that it’s said that women in the 18th and 19th centuries used beeswax to smooth their skin. Near a heat source it could melt. Onlookers were told to “mind your own beeswax” if they took notice of this. Can students name any other substances that come from bees? Tell them they’ll be reading about one that food scientist Asli Samanci uses in a product she makes.

DISCUSSION QUESTIONS

- As an entrepreneur, how does Asli Samanci use science?
- Why is sustainability important to Samanci?

CLOSING ACTIVITY

Challenge students to the Kahoot! quiz to see what they know about the insects that create propolis ([ti.me/YHJbees](https://www.kahoot.it/join/9876543210)). Then have them read a description of four substances produced by bees at [ti.me/beeproducts](https://www.kahoot.it/join/9876543210). Challenge groups to choose one and design a product that uses the substance. They may do research for inspiration.

DEBATE

SHOULD LIBRARIES CHARGE LATE FEES?

P. 8

STANDARDS

SOCIAL STUDIES (NCSS)

Individuals, Groups, and Institutions

CCSS: RI.1, RI.3, RI.6, W.1

BEFORE READING

Ask students how many times they visited a public library in the past year. Tally students who have visited zero times, one to five times, six to 10 times, and more than 10 times. Have students share some pros and cons of their public library and explain why they have or have not visited frequently. Did anyone cite late fees a con? Read the debate as a class.

DISCUSSION QUESTIONS

- Do you think libraries should charge late fees?
- Whose response do you find most convincing? Why?

CLOSING ACTIVITY

Read the Next Debate box at the bottom of the article. Ask a volunteer to explain what extreme adventure tourism is. Refer back to the expeditions Enric Sala takes people on. Submersibles are an example of extreme adventure tourism. So are space travel and skydiving. Have a class discussion to generate some thoughts on the subject. Then have students choose a side of the debate and explain. Send student responses to tfkeditors@time.com by February 29.

Name _____ Date _____

Use this week's issue, *Save Our Oceans*, to answer the questions below. For each question, circle the letter next to the best answer.

<p>PAGE 2: LUNAR LANDER PROBLEMS</p> <p>1. The lunar landers built by private companies will</p> <ul style="list-style-type: none"> A. take astronauts to the moon. B. test new equipment. C. deliver tools to the moon for future missions. D. collect data about moon landings. 	<p>PAGES 4–5: SEA CHANGE</p> <p>5. Which detail would not be included in a summary of this article?</p> <ul style="list-style-type: none"> A. Pristine Seas has gotten 2.5 million square miles of coastline and ocean protected. B. Increasing ocean acidity weakens ocean habitats. C. Protecting our oceans is a cheaper way to lessen the effects of burning fossil fuels. D. In summer 2023, there was a wildfire in Canada.
<p>PAGE 2: LUNAR LANDER</p> <p>2. What is the name of lunar lander?</p> <ul style="list-style-type: none"> A. Astrobotic B. Peregrine C. Vulcan Centaur D. Artemis 	<p>PAGES 6–7: THE BUSINESS OF BEES</p> <p>6. What inspired Asli Samanci to start her business?</p> <ul style="list-style-type: none"> A. her work as a food scientist B. her son's illness C. her interest in beekeeping D. her dream of becoming an entrepreneur
<p>PAGES 4–5: SEA CHANGE</p> <p>3. How does plankton benefit the planet?</p> <ul style="list-style-type: none"> A. It cleans whale poop from the ocean. B. It provides nutrients for algae. C. It cools the oceans by absorbing sunlight. D. It absorbs carbon dioxide, which is a planet-warming gas. 	<p>PAGES 6–7: THE BUSINESS OF BEES</p> <p>7. What is the purpose of this text?</p> <ul style="list-style-type: none"> A. to describe Samanci's career path B. to teach entrepreneurs how to have sustainable businesses C. to persuade readers to buy Samanci's product D. to tell a story about a beekeeper
<p>PAGES 4–5: SEA CHANGE</p> <p>4. What is Enric Sala's solution for protecting the world's oceans?</p> <ul style="list-style-type: none"> A. Identify the most biodiverse areas and persuade people to protect them. B. Encourage people to stop burning fossil fuels. C. Hope for the best. D. Focus on saving the whales. 	<p>PAGE 8: SHOULD LIBRARIES CHARGE LATE FEES?</p> <p>8. Which best compares Fiona Sheehy's and Aiden Robinson's arguments?</p> <ul style="list-style-type: none"> A. Fiona thinks that fees will make people more responsible and Aiden disagrees. B. Both believe late fees can improve the library. C. Fiona believes people make mistakes while Aiden believes people are breaking a promise. D. Both believe late fees are unfair.

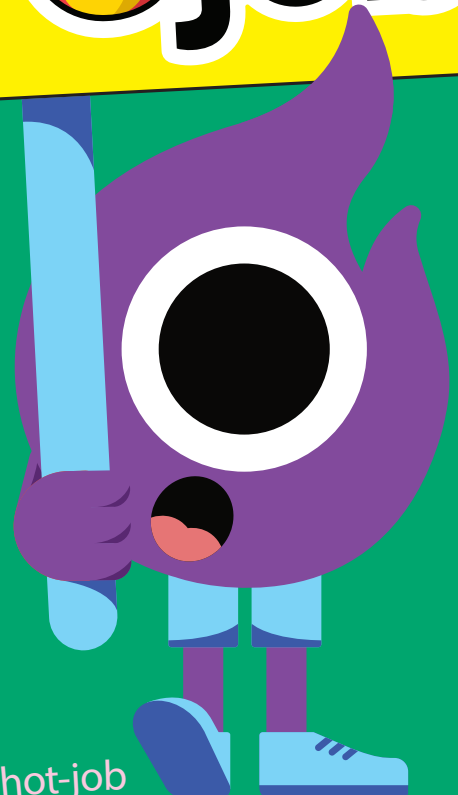
Unlock students'
potential with
FREE Power Skills
courses.

your  **job**

GET THEM
STARTED AT
[TI.ME/SKILLS](https://time.me/skills)



timeforkids.com/your-hot-job



TIME *for* KIDS

TEACHER'S GUIDE EDITION 5-6

ATTENTION, POSTMASTER AND SCHOOL SECRETARY:



FIRM BUNDLE

DO NOT BREAK OPEN!

THIS PACKAGE GOES TO ONE TEACHER

Need to reach us?

For 24-hour customer service, visit

- timeforkids.com/customerservice

or

Phone: 877-604-8017

Fax: 813-433-5152

- Email: tfkcustserv@cdsfulfillment.com

Follow us on:



facebook.com/timeforkids



Instagram @timeforkids



Twitter @timeforkids