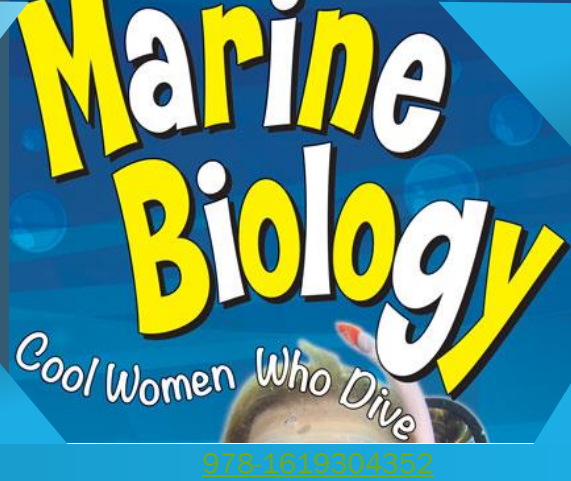


# MARINE BIOLOGY: COOL WOMEN WHO DIVE DISCUSSION GUIDE



[978-1619304352](https://www.nomadpress.com/978-1619304352)

## About This Book

Earth contains more than twice as much water as land. And since the beginning of human civilization, people have been curious about life in the ocean. Women too! Women traditionally have had to face more obstacles to study oceanography and marine biology. In *Marine Biology: Cool Women Who Dive*, readers learn about women from the past and today's women who are making a difference in marine biology.

## Pre-Reading Activity

What do you know about marine biology? How many species of life can you list that live in the oceans? Now, can you name a female marine biologist? How many female scientists can you name?

## Discussion Questions

- When most people are asked to name a female scientist, the name Marie Curie comes up most often. Often, people have trouble naming other female scientists. Why do you think that happens?
- Compare estuaries and wetlands. Can you name either near your home or that you have visited? If you can't, get out a map and look for one that you would like to know more about.
- On page 7, you're introduced to Sylvia Earle, nicknamed "Her Deepness." What do you find the most interesting thing about her life?
- Many cultures have myths or legends about "creatures" in the sea. What is it about life in the ocean that led to ancient societies to create stories about them?
- Since 2009, women have earned more than half of all bioscience degrees. This is definitely different than in the 20<sup>th</sup> century. Why do you think there are more women biologists now?
- Did you know that there were mountains in the ocean? What else have you learned about the ocean that you didn't know before?
- In Chapter 2, you read about Lauren Mullineaux studying deep-sea larvae. What are they and why is it important to know more about them?
- Amy Bower is a physical oceanographer who also happens to be legally blind. What does she do so that she can continue her work? Have you ever had to use modifications to do something you wanted to do?
- Ashanti Johnson became the first African American to receive a PhD in oceanography at her college. Why is this important?
- Scientist Rachel Carson received a lot of criticism when she published her theories about the effects of pesticides. Why were people angry with her?
- Chapter 4 introduces you to two marine biologists with a fascination of sharks. Compare and contrast them.
- Why are so many marine biologists concerned about the environment and climate change? How does climate change affect the marine sciences?
- *Marine Biology* highlights many careers in the marine sciences. Which would you like to know more about?