

1 Grammar in the Real World 

A Where do you think new medicines come from? Read the article about a scientist who looks for new medicines. Where does Dr. Smith find new medicines?

**Interview with Jane Smith, Ph.D.,
Marine Biologist¹**

So, Dr. Smith, what exactly do you do?

We look for new medicines. We go to the ocean and discover chemicals in marine organisms – deep-sea animals and plants. We use these chemicals to develop drugs to treat human diseases.



That's amazing. I didn't know medicines came from under the sea! Tell me more.

Over the years, scientists **have** also **found** a lot of important drugs on land. For example, they **have developed** useful drugs from plants and animals in the Amazon rain forest in Brazil. Our work is similar. However, we look for medicines in the ocean.

Where exactly do you find these chemicals?

We **have discovered** chemicals all around the world. Scientists **have found them** in warm water and in cold water, like in the Arctic Ocean. We've **found** them in shallow water and in very deep water, sometimes tens of thousands of feet under the surface.

It sounds like you get to travel a lot for your work. Where have you been?

I've **been** around the world twice. My team **has led** underwater expeditions² in Africa, the Caribbean, the Pacific Ocean, off the coast

¹marine biologist: someone who studies plants and animals that live in the ocean | ²expedition: a long journey with a special purpose, e.g., to discover something