

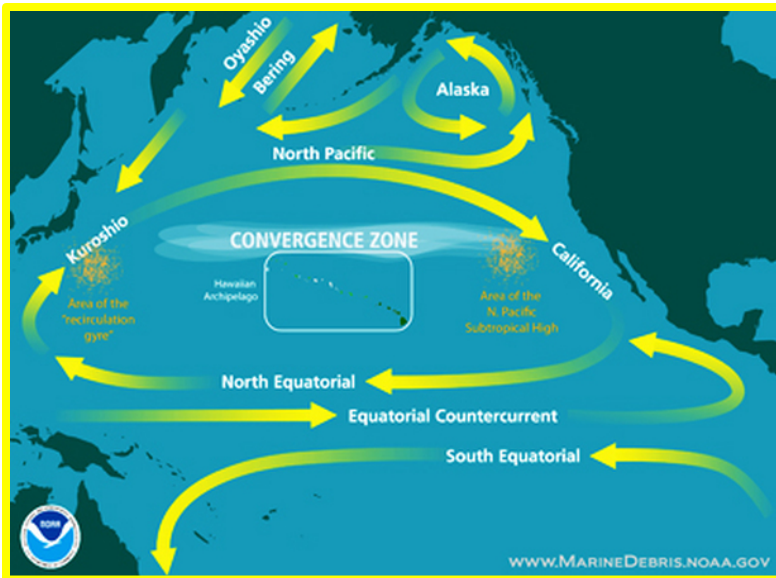
We're excited to be sailing in seas that flow along the most interesting **GEOGRAPHY** in the world. Just as the ocean tells us stories, so do the coastlines, currents, and islands of the **PACIFIC**. As we explore water and land and how they **INTERACT**, we gain respect for the world around us. As we learn about the **HISTORY** of the land, we appreciate those who explored before us. You'll find lots of information in the expedition overview on the website. **HINT:** Read the story, then read the questions. When you go back to the story, you will recognize the answers to the questions! When we know the **PAST**, we have a better idea what to expect in the **FUTURE**.



FACTS ARE FUN!

The Bodacious IV crew needs your help to understand where we will sail. Come onboard! Get out your pencil (or pen, if you are confident)! Take some time to read the Expedition Outline and then answer these questions.

- 1 When was Hawaii made a State of the United States?
- 2 How many main islands make up Hawaii?
- 3 How many states other than Hawaii are only an island?
- 4 Here's a tricky question. How many states have a straight line in their boundary?
- 5 Who was the first explorer to reach Hawaii? When did he get there?
- 6 What natural phenomenon (event) made the islands of Hawaii? Are they still active?
- 7 How do the Trade Winds affect the weather of Hawaii?



Q What happens when trash gets caught in a gyre?

Sadly, trash is thrown off boats, or washes out to sea thru rivers, or arrives by tsunami or hurricane. Once trash gets into the ocean, it moves with the water and begins to collect. As it gathers, it forms floating tangles or “garbage patches.” We expect to see several of these on our trip. Can you describe places where you have seen garbage collect?

Q How big is a trash gyre?

There is one in the North Pacific gyre that scientists and environmentalists estimate to be twice the size of Texas. That is a lot of trash! What kinds of material collect in a trash gyre? How do you think a gyre affects marine wildlife?

Q What is a gyre?

It is a large system of rotating ocean currents. There are five major gyres on earth, and a host of other smaller gyres where currents circulate. On our trip to Hawaii, we will sail thru the North Pacific Equatorial gyre. Hawaii is located almost in the center. How do you pronounce the word “gyre”?



What can **YOU** do to help keep our oceans clean?