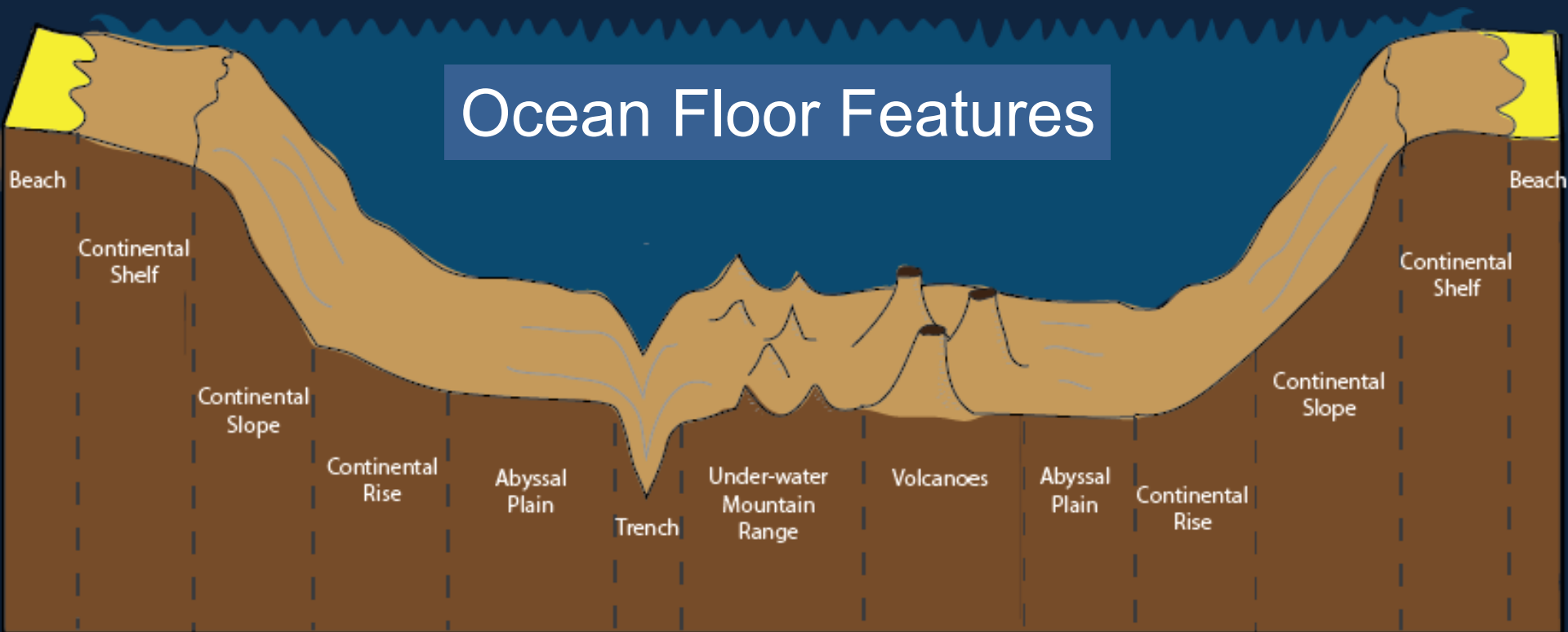
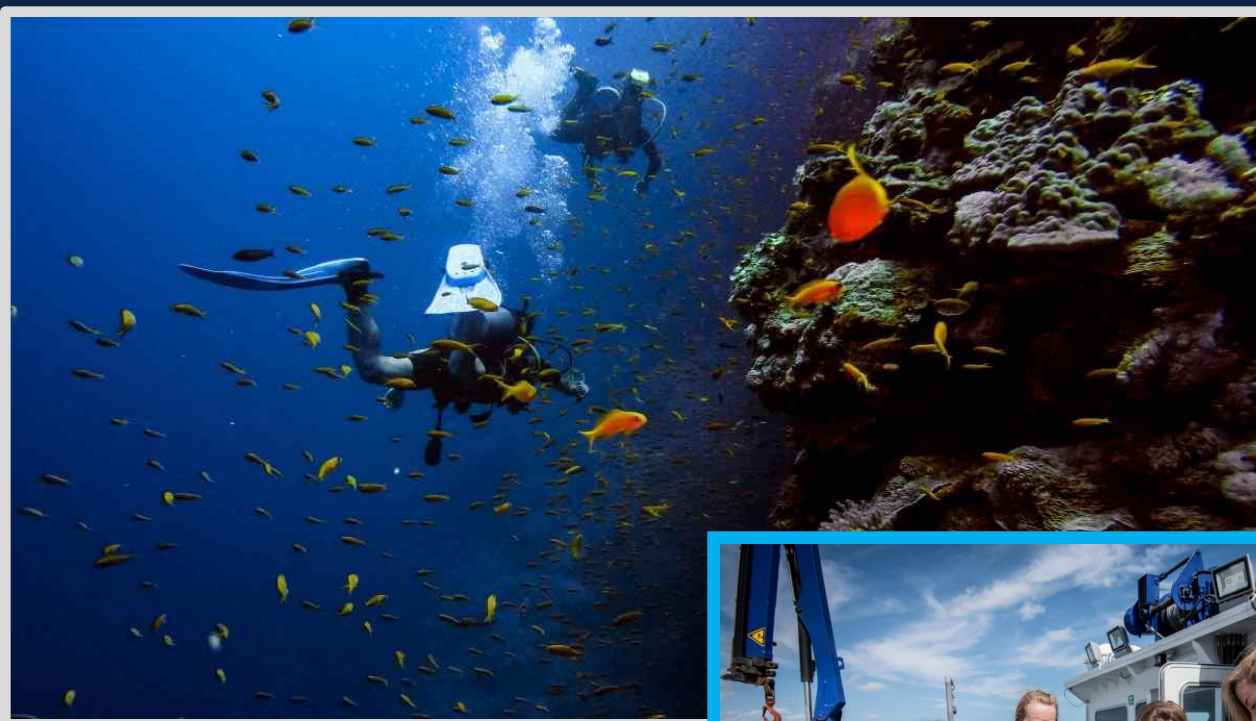


What are the Ocean Floor Features?



Oceanographers are scientists that study the ocean. They study ocean features, ocean zones, and ocean life.



What makes it
difficult for
scientists to study
the bottom of the
ocean?

Temperature

Pressure

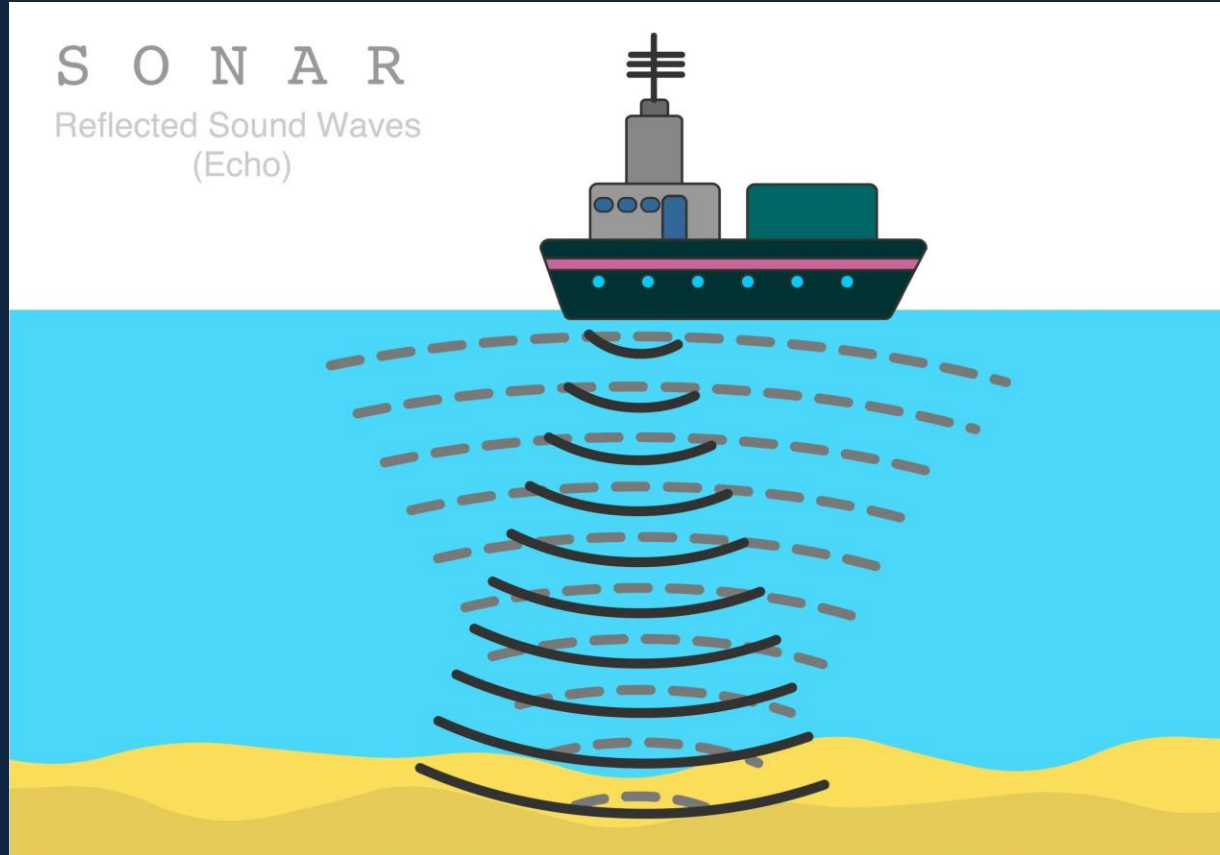
Darkness



As you go deeper into the ocean, the temperature drops, the pressure increases, and it gets very dark. This makes it hard for oceanographers to study the ocean. Oceanographers use several tools to help them on their quest.



Technology called SONAR uses sound waves to determine the depth of the ocean. High pitch sound waves are transmitted toward the ocean floor. Like an echo in a canyon, the sound waves bounce back. The data collected allows scientists to map the ocean floor.

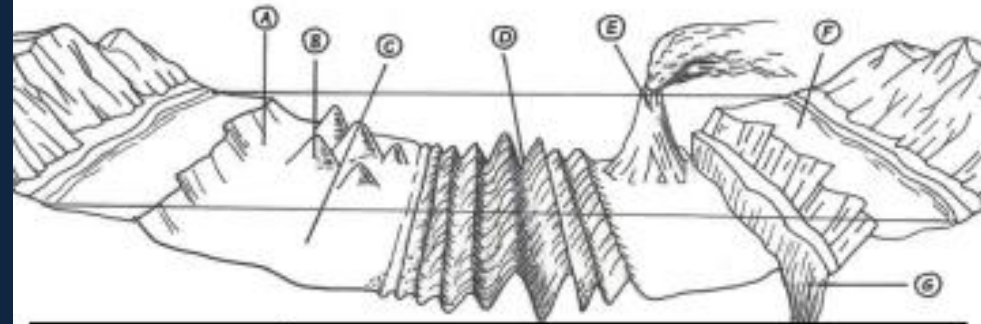


Let's investigate the Ocean Floor...

The Ocean Floor

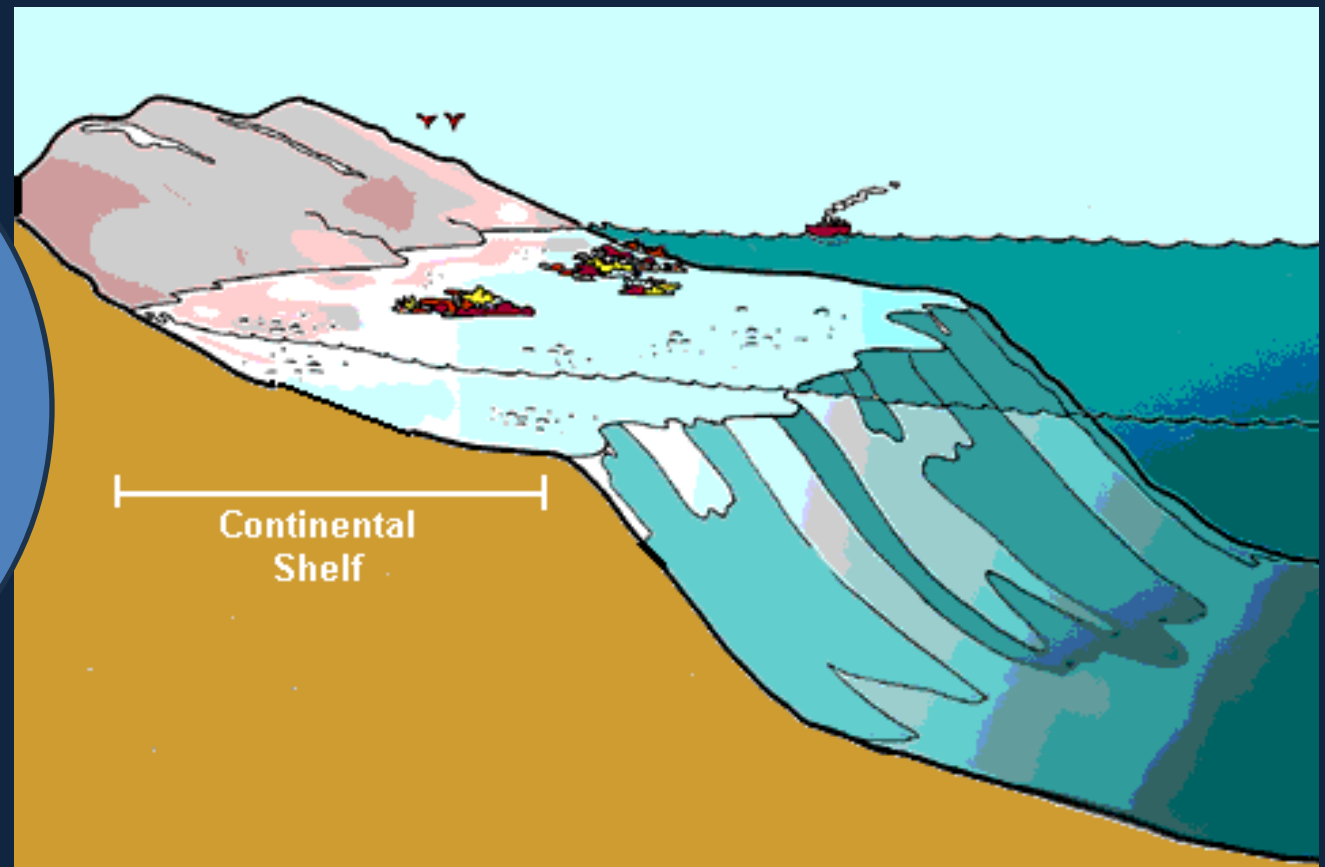
Identify and describe the ocean floor features. Use the word bank.

Continental Slope	Continental Shelf	Seamounts	
Volcanic Island	Mid-Ocean Ridge	Abyssal Plain	Trench

[illegible]

Continental Shelf: A gently sloping, shallow area of the ocean floor that extends outward from the edge of continent.

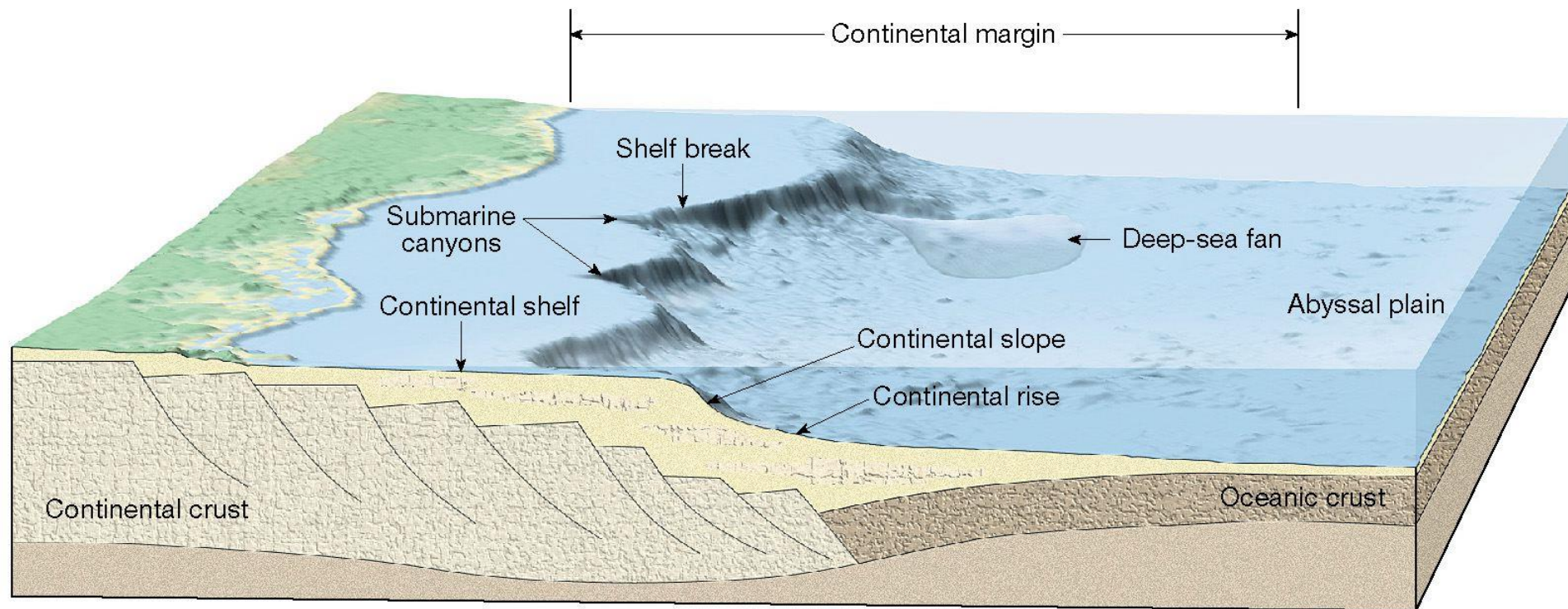
When you walk out into the ocean, this is what you are standing on.

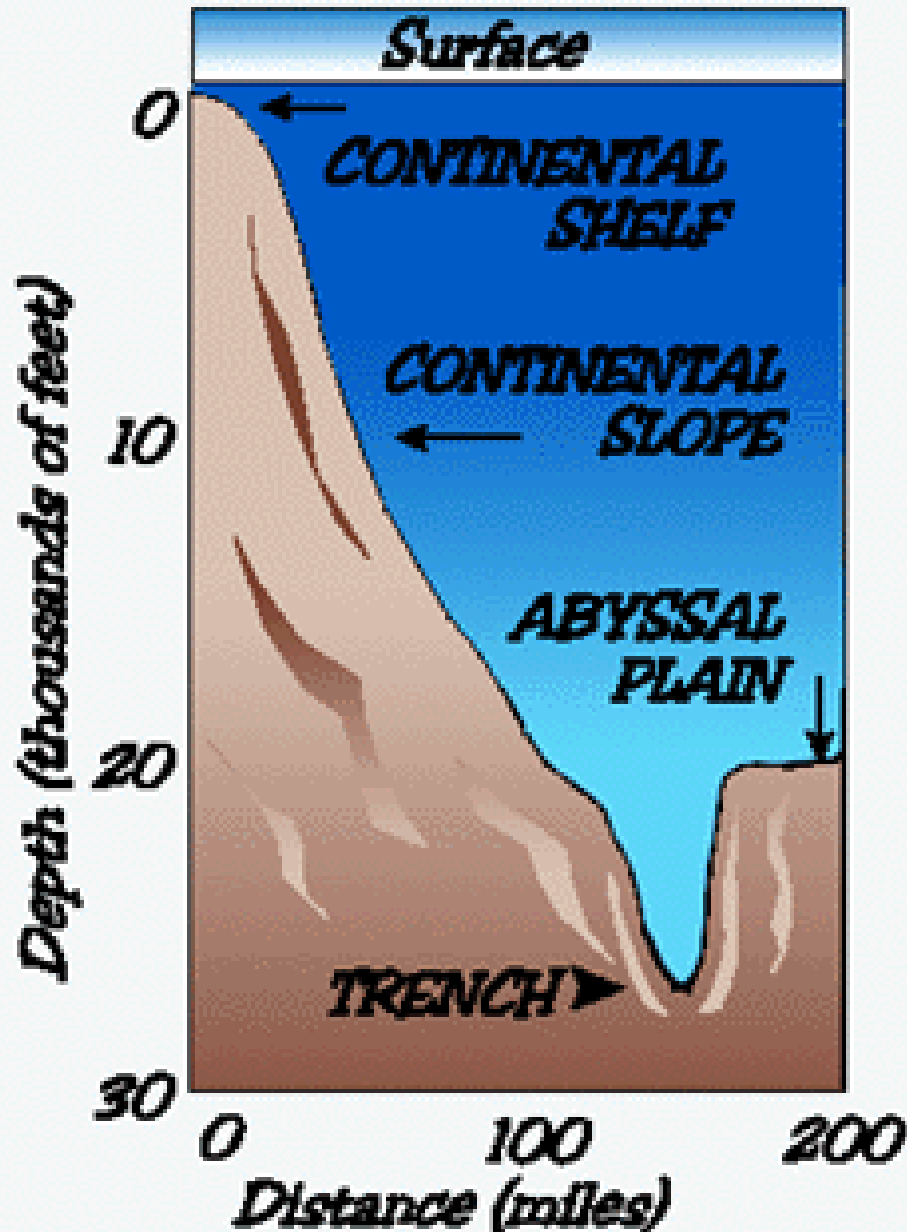


Most ocean life live near the continental shelf since it can support producers (plants), which most ocean animals need to eat for survival.



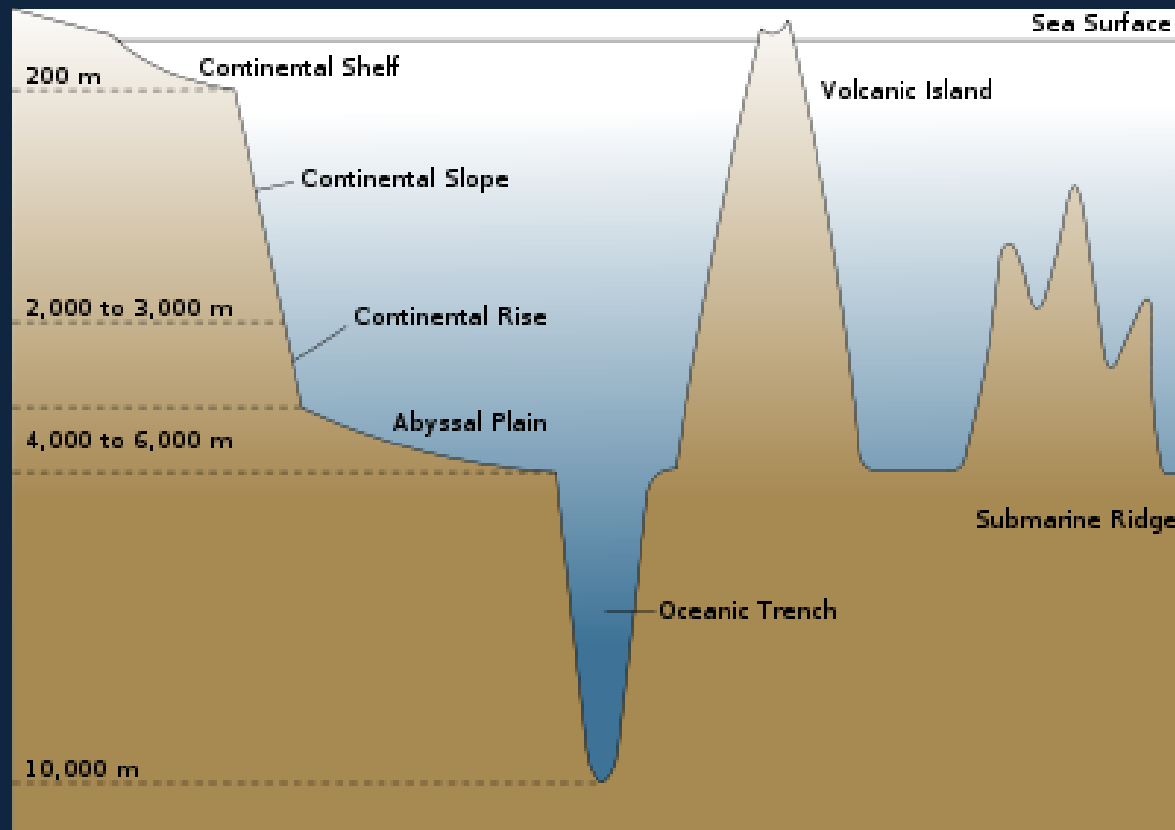
Continental Slope: An incline leading down from the edge of the continental shelf.



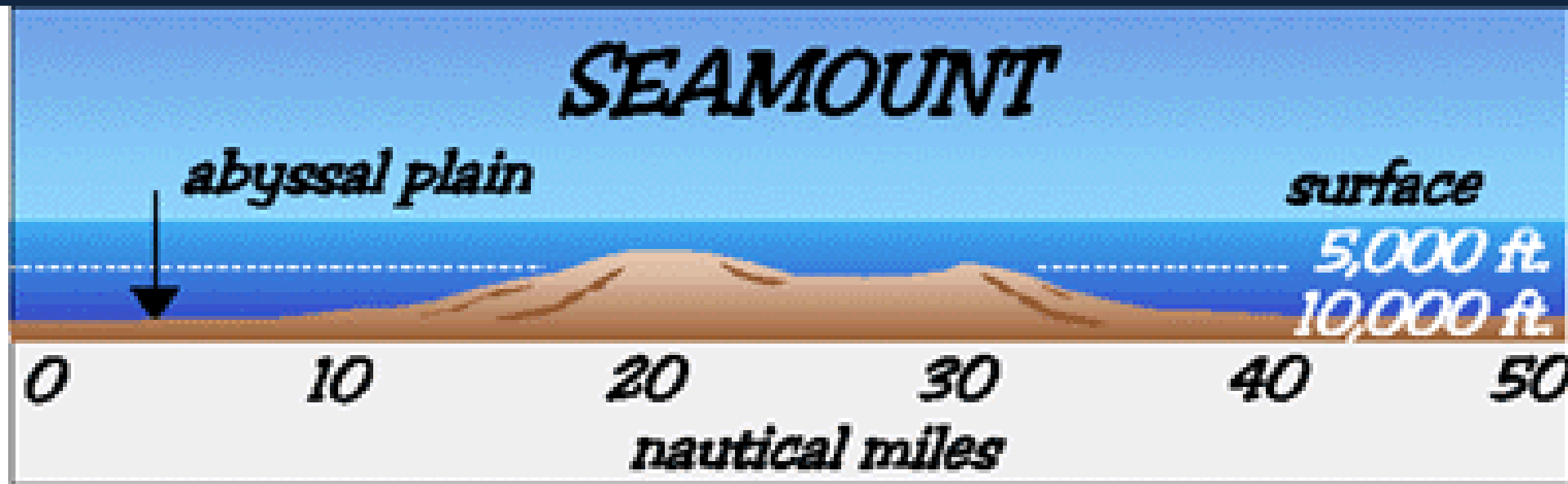


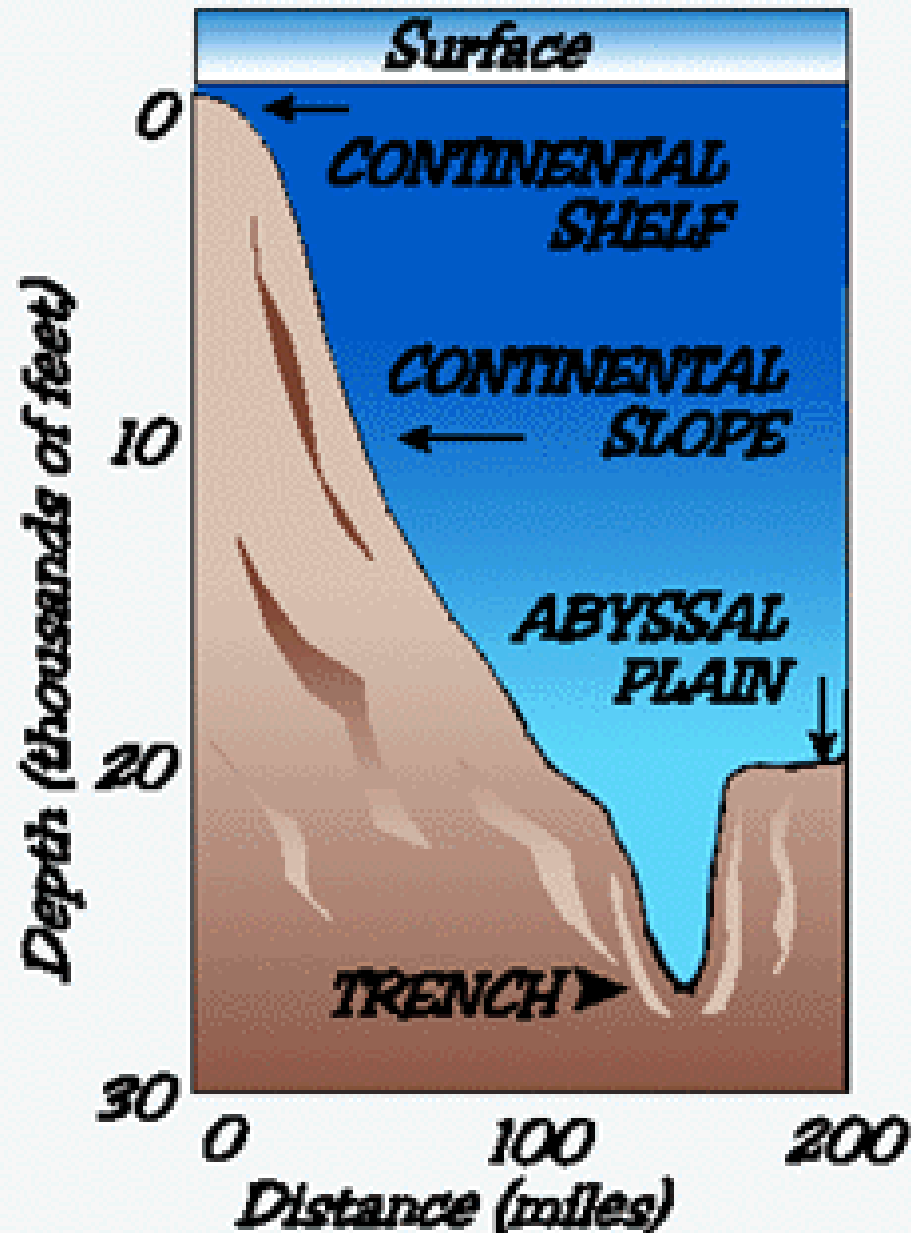
Abyssal Plain: A smooth nearly flat region of the deep ocean floor.

Volcanic Island:
**A hot spot in the
oceans crust
where magma
has come to the
surface and built
up to a height
above the
surface of the
ocean.**



Seamount: A mountain on the ocean floor that is completely underwater.



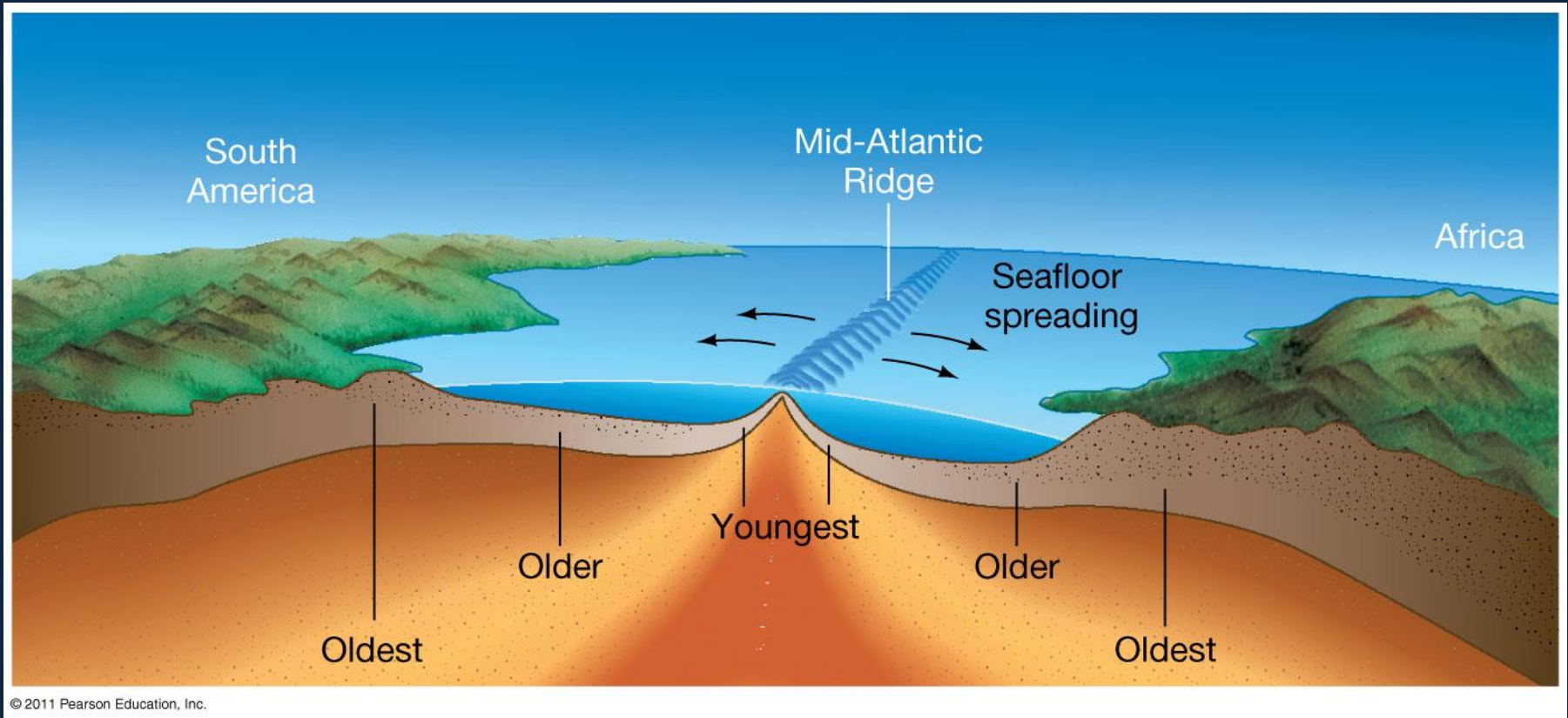


Oceanic
Trench: A deep
canyon in the
ocean floor.



The deepest trench in the world is the Mariana Trench. It is over 6 miles deep!

Mid-Ocean Ridge: Longest mountain chain in the world caused by seafloor spreading.



Review

- What is the longest mountain chain in the world?
- When you walk out into the ocean you are standing on the _____?
- A mountain that is completely underwater is called what?
- The deepest trench in the world is called what?
- What are the three factors that make it hard for oceanographers to study the ocean floor?
- What technology made it possible for scientists to map the ocean floor? Think: It uses sound waves.



Hi! Thank you for your download. I'm so glad you were able to find a school tool you can use. Please feel free to use this activity for your own personal use or classroom. Hope it works out great!

♥ Marie

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