

Assignment 2 - Plate Tectonics Marie Tharp

Due Nov 29 at 11:59pm **Points** 100 **Questions** 10 **Available** Aug 28 at 12am - Nov 29 at 11:59pm
Time Limit None

Instructions

Read this [Smithsonian article](https://www.smithsonianmag.com/history/seeing-believing-how-marie-tharp-changed-geology-forever-180960192/) [\(https://www.smithsonianmag.com/history/seeing-believing-how-marie-tharp-changed-geology-forever-180960192/\)](https://www.smithsonianmag.com/history/seeing-believing-how-marie-tharp-changed-geology-forever-180960192/) on Marie Tharp and answer the questions in this assignment.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	24 minutes	100 out of 100

 Correct answers are hidden.

Score for this quiz: **100** out of 100
Submitted Aug 28 at 1:48pm
This attempt took 24 minutes.

Question 110 / 10 pts

Fewer than _____ of earth science doctorates were obtained by women between 1920 and 1970.

4 percent

Question 210 / 10 pts

Why was Marie Tharp able to pursue a master's degree in geology?

☒

There was a lack of men in earth sciences due to World War II.

☐ She had an excellent academic record with an undergraduate major in geology.

☐ She networked with the right people, an example of a case of "who you know".

☐ A special fellowship was created to support underrepresented groups in geoscience.

Question 310 / 10 pts

What skills did Mare Tharp work on, at the advice of her mentor, to improve her chances of getting a job in earth science?

☐ Mathematics

☐ Computer programming

☐ Field work

☒ Drawing and writing

Question 4

10 / 10 pts

Why didn't scientists know much about the ocean floor prior to World War II?

☒ They didn't have a way to map the ocean floor yet.

☐ The data was kept secret by the military and government.

☐ Scientists assumed the ocean floor was flat, so they didn't study it.

☐ Scientists were too busy fighting the war.

Question 5

10 / 10 pts

Marie Tharp collected the data for mapping the ocean floor while aboard research vessels.

☐ True

☒ False

Question 6

10 / 10 pts

Marie Tharp found a _____ in the middle of an ocean ridge, which was evidence for rifting.

huge valley

Question 7

10 / 10 pts

What finally convinced Bruce Heezen, Marie Tharp's colleague, that the huge chain of mountains she was mapping was where oceanic crust was spreading apart?

☐ Bruce Heezen directly measured the spreading motion in the crust.

☒ Earthquakes beneath the rift valley Marie Tharp had discovered.

☐ The United States and Europe were moving further apart.

- ☐ Volcanic eruptions from the rift valley Marie Tharp had discovered.

Question 8

10 / 10 pts

Marie Tharp's colleague, who had previously disagreed with her conclusions, took all of the credit for the work she did mapping the ocean floor and ideas on plate tectonics.

☒ True

☐ False

Tharp's name does not appear on any of the major papers on plate tectonics that Bruce Heezen and others published between 1959 and 1963

Question 9

10 / 10 pts

Eventually, Marie Tharp held a prestigious position at Columbia University for her work.

☐ True

☒ False

Question 10

10 / 10 pts

What is Earth's largest, physical feature?

☒ The Mid-Atlantic Ridge

☐ The Grand Canyon

☐ Mt. Everest

☐ The Sahara Desert

Quiz Score: **100** out of 100