

VIDEO: "DEEPEST PLACE ON EARTH"

NAME: _____

WORK ALONE! *USE SENTENCES.

1. *How did the crew of the H.M.S. Challenger measure the depth of the ocean?
2. *What was learned about the shape of the deep spot in the western Pacific in 1951?
3. How many hours did it take the Trieste to reach the bottom and return to the surface?
4. *Why did the USA build a network of seismometers during the Cold War years?
5. In the Navy's M.A.D. technology, what does the "M" stand for?
6. *What was the "jackpot" discovered by a submarine expedition in 1977?
7. What is the name of the geological process that formed the Mariana Island chain?
8. The Marianas Trench doesn't cause great earthquakes like other zones of subduction because of the presence of serpentine, which forms a _____ mud.
NOTE: The answer is NOT "soft" or "powdery".
9. *The seafloor crust that makes up the Marianas Trench is more dense (heavier) because it is older than crust that is closer to the mid-ocean ridge. Why does being older make it denser?
10. What percentage of the world's ocean floor has been explored?