Section review 10.2

Use your notes and pages 276-278 to answer the following questions.

1. Explain how the ages of the rocks on the ocean floor support the theory of the seafloor spreading.

2. What was the name of the ship that obtained the rock samples to help support the theory of seafloor spreading?

3. List the two pieces of evidence that can be used to support the seafloor spreading theory.
   A)
   B)

4. Explain how the magnetic line up of minerals help explain the seafloor spreading theory.

5. How does the theory of seafloor spreading different than the theory of continental drift?

6. Why proposed the theory of seafloor spreading?

7. If the seafloor is spreading at the Mid-Ocean Ridge and new earth is being created, why isn’t the Earth getting bigger?

8. Use the formula \( D = \frac{1}{2} t \times v \)
   The speed of sound in salt water is 1454 m/s. How deep is a treasure chest if the time it takes to get to the treasure chest and back 20 seconds?

9. Using the same velocity as above, how deep is a submarine if the return time is 1 minute?

10. Using the same velocity, how deep is the peak of a mountain if it takes 24 seconds to reach the peak?