

Name: _____

Date: _____

Period: _____

Greatest Discoveries with Bill Nye: Earth Science

Continental Drift:

1. Wegener realized that all the continents in the world formed the super continent of Pangaea, which in Greek means _____.
2. When the jigsaw pieces of Pangaea drifted apart Wegener called this theory _____.

Sea-Floor Spreading:

3. _____ was not only a geologist, but he was in the _____.
4. He used the _____ to measure the _____ of the ocean floor whenever his ship was out to sea.
5. About two miles beneath the waves of the Pacific Oceans, he discovered _____.
6. In 1953 using sonar readings, a 12,000 mile long mountain range was found beneath the ocean, it was called the _____.
7. The average mid-ocean ridge is about _____ high.
8. Analyzing _____ samples and sonar readings, he learned more about the ocean floor. He discovered that the crust is _____ farther away from the ridge, and _____ next to the ridge.
9. Hess discovered that _____ rock was being pushed out of the mid-ocean ridges.

10. The discovery that new earth was being generated from a mid-ocean ridge is called

_____.

11. The process of the earth being recycled back inside the center of the earth is called

_____.