

Name: _____ Block: _____ Date: _____

Newsela: Plate Tectonics Article

1. Write two things you learned about Alfred Wegener that you did not already know:

2. What did Hess discover during his command of an attack ship during World War II? Answer in 3+ sentences, you can include information about what scientists after him found as well.

3. Where can the youngest crust on Earth be found?

4. When did the term "plate tectonics" start being used?

5. How many tectonic plates are there on Earth?

6. Based on what you have read, do you think tectonic plates include the oceans or just the continents?

7. How many supercontinents have there been in the last 500 million years?

8. What is it called when one tectonic plate goes under another plate?

9. Approximately how far do the plates move in a human lifetime?

10. What is expected to happen to Africa as tectonic plates move?

Video: Greatest Discoveries with Bill Nye: Earth Science

The Outer Core

1. The first layer was the _____, a skin of rock covering the planet.

The Inner Core

2. The core that Lehman had found was the Earth's _____.

3. The core that Richard Oldem had discovered turned out to be the Earth's

_____.

4. At the center of the core, the temperature can be as high as _____°F, which is 2,000° hotter than the surface of the sun.

Continental Drift

5. Pangaea comes from Greek and means _____.

The Sea-Floor is Spreading

6. When the United States entered the war, _____ was a geology professor at Princeton University.

7. In 1953 a 12,000 mile long mountain range called the _____

_____ was discovered in the Atlantic Ocean.

8. Harry Hess had discovered that the seafloor was _____.

9. The process that recycles the crust is called _____.