**Article Teacher Key:**

1. What are oceanographers, and what do they do?

Scientists known as oceanographers have been able to measure and map out the ocean floor.

2.  About how long does it take for the crust to be created and later destroyed? 100 million years

3. What do the ridges represent? Located deep beneath the waves on the ocean floor almost exactly halfway between the continents are raised areas known as ridges.

4. What are the three types of boundaries that geologists observe? These boundaries are divergent boundaries, convergent boundaries, and transform boundaries.

5. Explain in your own words the process of plate tectonics. Answer based on this: As new crust is created in a particular location on Earth, it forms what resembles giant plates. One side of the plate is where new crust is being created, while the other side is where older crust is being destroyed.

6. At what rate do the plates move at? 10 cm. per year

7. It is believed that that what are locations where crust is being lowered back into the Earth’s core. Deep ocean trenches