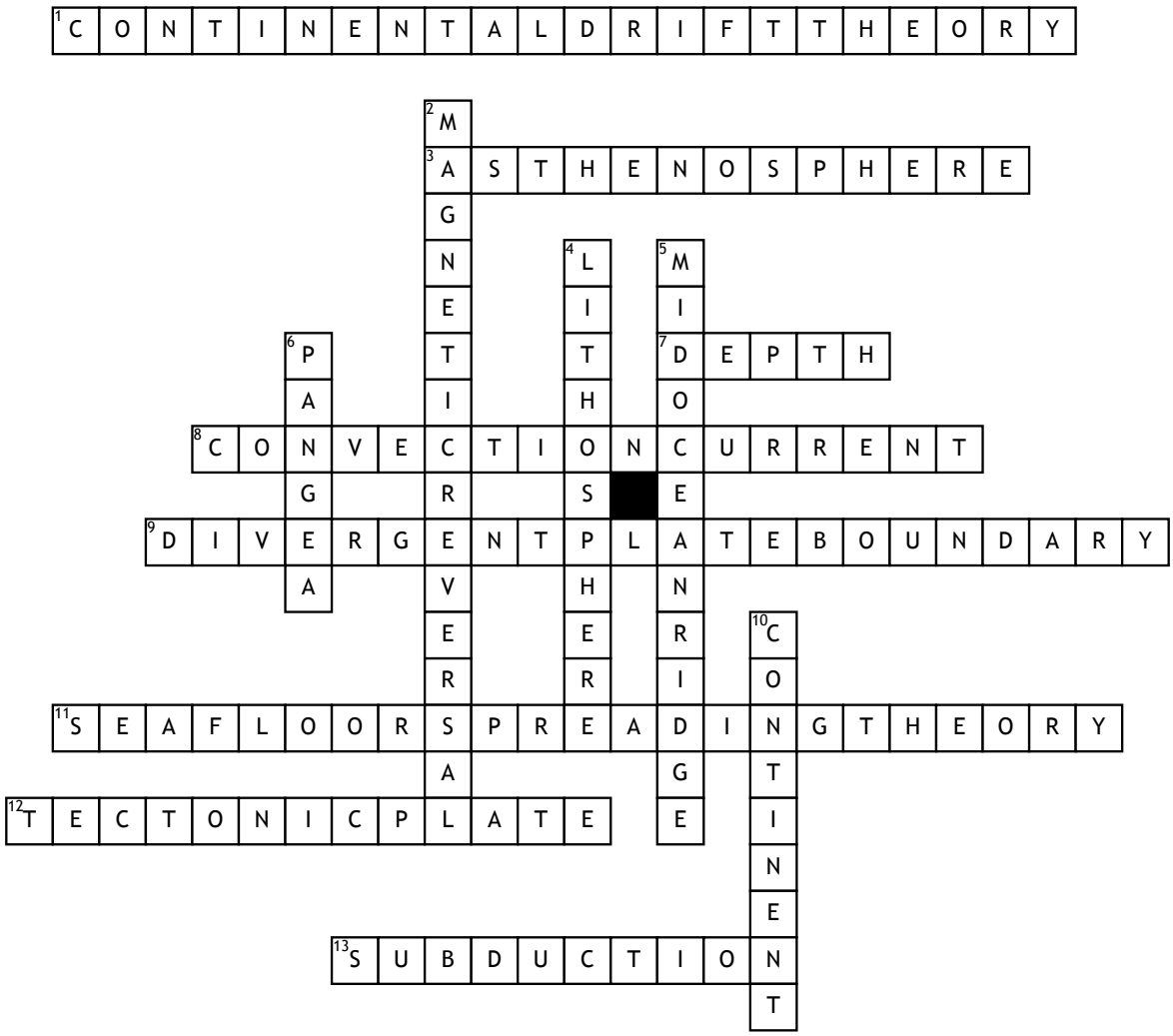
Name: _____ Date: _____

The Dynamic Earth Puzzle



Across

1. The theory that continents have moved slowly to their current locations and continue to move.

3. The layer of the earth's mantle, below the lithosphere, in which there is relatively low resistance to plastic flow and convection is thought to occur.

7. The distance from the surface of the ocean to ocean floor.

8. The transfer of heat energy that results from magma becoming heated, less dense, and rising eventually cooling at the surface, becomes more dense and sinks..

9. A tectonic boundary where two plates are moving away from each other and new crust is forming from magma that rises to the Earth's surface between the two plates.

11. The process by which new oceanic crust forms along mid ocean ridges and older crust moves away from the ridge.

12. The divisions of Earth's outer shell that glide over the mantle.

13. The process where dense oceanic crust is forced under the less dense continental crust

Down

2. An event that causes the magnetic field to reverse its direction.

4. The rigid outer part of the earth, consisting of the crust and upper mantle.

5. A long narrow mountain chain found on the floor of the ocean.

6. The name of the supercontinent that existed 200 million years ago, when all the modern continents were connected.

10. One of the 7 great masses of land