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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Tectonic Plates Crossword Puzzle

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|  |  |  | 11  F | O | S | S | I | L | E | V | I | D | E | N | C | E |  | 12  S | L | A | B | P | U | L | L |  | D |  |  |
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|  |  |  |  |  |  |  |  |  | 15  C | L | I | M | A | T | I | C | E | V | I | D | E | N | C | E |  |  |  |  |  |

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| **Across**  **4.** Ages and types of rocks in the coastal regions of separate continents matched.  **7.** New sea floor forms as magma rises to Earth's surface and solidifies at a mid-ocean ridge.  **10.** Wegner's Hypothesis that the continents once formed part of a single landmass.  **11.** Identical fossils found in both South America and Western Africa.  **12.** As the lithosphere moves away from the mid-ocean ridge it cools and becomes denser. It begins to sub-duct, as the leading edge begins to sink it pulls the rest of the plate along behind it  **13.** Plates move away from each other.  **14.** The stripes in the sea floor illustrates Earth's alternating magnetic field.  **15.** Layers of debris from ancient glaciers on separate continents. | **Down**  **1.** Undersea mountain chain that forms as magma rises and creates new sea floor as tectonic plates move apart.  **2.** Geological evidence suggest that Earth's magnetic field has not always pointed North.  **3.** Plates collide with each other.  **5.** Similarities in the coastlines of continents.  **6.** Two plates slide past each other horizontally.  **8.** A large continent that broke up into smaller continents.  **9.** Another name for the crust and upper mantle. |