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Tectonic Plates Crossword Puzzle

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|  |  |  |  |  |  |  |  | 4G |  E |  O |  L |  O |  G |  I |  C |  A |  L |  E |  V |  I |  D |  E |  N |  C |  E |  |  N |  |  |
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|  |  |  |  | 8S |  |  |  |  |  |  |  |  |  |  |  |  S |  |  V |  |  |  N |  |  |  |  G |  |  N |  |  |
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|  |  |  | 11F |  O |  S |  S |  I |  L |  E |  V |  I |  D |  E |  N |  C |  E |  | 12S |  L |  A |  B |  P |  U |  L |  L |  |  D |  |  |
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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. |