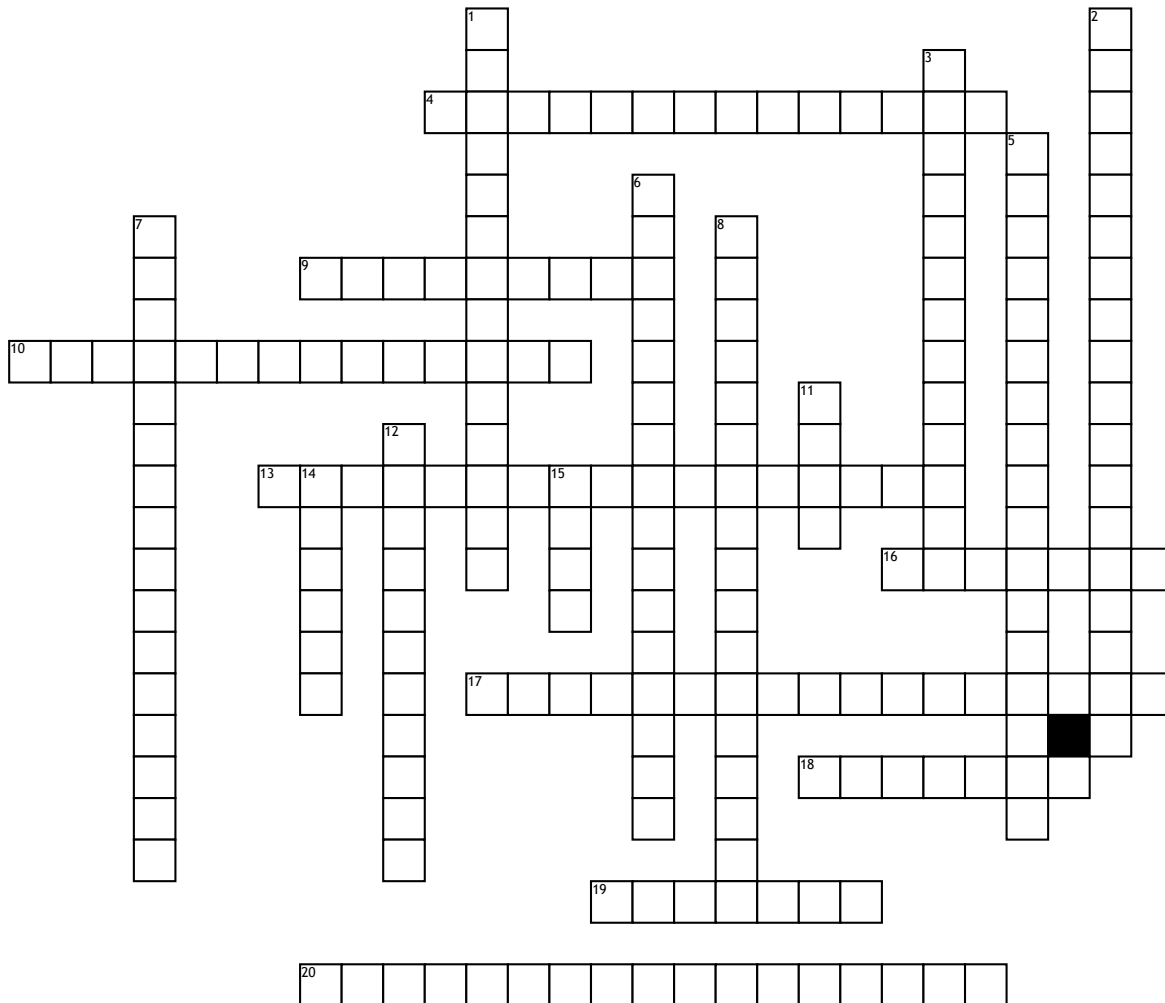


Plate Tectonics - Kenley Tuten



Across

4. the study of the alignment of of magnetic minerals in rock
 9. a process by which material is added to tectonic plate or a landmass
 10. the lithosphere of the earth that is divided into a small number of plates which float on and travel independently over the mantle and much of the earth's seismic activity occurs at the boundaries of these plates
 13. a major area in the basin of the pacific ocean where a large number of earthquakes and volcanic eruptions occur
 16. a piece of lithosphere that has a unique geologic history and that may be part of a larger piece of lithosphere
 17. the boundary between tectonic plates that are moving away from each other

18. the process by which earth's crust breaks apart

19. the super continent that formed 300 million years ago and that began to break up beginning 250 million years ago
 20. the boundary between tectonic plates that are sliding past each other horizontally

Down

1. the theory that explains how large pieces of the lithosphere
 2. the boundary between tectonic plates that are cooling
 3. the solid, plastic layer of the mantle beneath the lithosphere
 5. the process by which new oceanic lithosphere (sea floor) forms as magma rises to earth's surface and solidifies at mid-ocean ridge

6. the relatively thick layer of earth's crust that forms the large land mass

7. the hypothesis that states that the continents once formed a single landmass

8. the process by which new oceanic lithosphere (sea floor) forms as magma rises to earth's surface and solidifies at mid-ocean ridge

11. about 4 miles thick composed of several layers not including the overlying sediment

12. the solid, outer layer of earth that consist of the crust and the rigid upper part of the mantle

14. a ring-shaped coral reef, island, or series of islands

15. a crack, split, or break in something