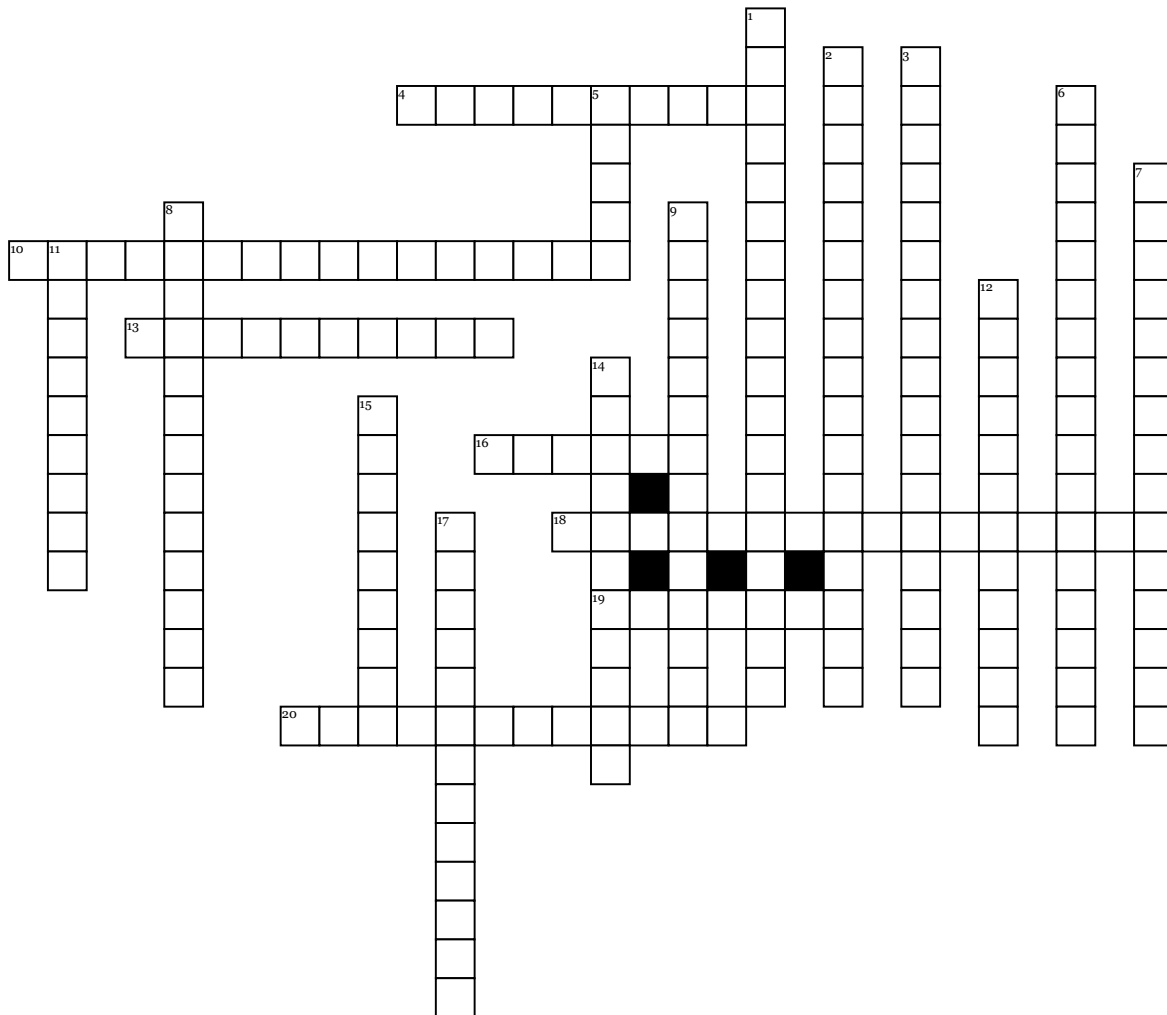


Earths layers and tectonic plates



Across

- 4.** where one plate moves under another and is forced of sinks into the mantle
10. the idea that continents move around on earths surface
13. the transfer of heat through the motions of liquids and gases
16. the thickest layer of earth
18. the type of crust made of granite
19. an ancient huge landmass composed of earlier forms of today's continents; an ancient supercontinent
20. the type of crust made of basalt

Down

- 1.** tectonic plates move toward each other
2. wher two plates slide by each other
3. a hypothesis that a new sea floor is created at mid ocean ridges and that in the process the continents are pushed apart from each other
5. the thinnest layer of earth
6. tectonic plates move away from each other
7. a valley in the ocean created when one lithospheric plate subducts under another

8. a long chain of undersea mountains

9. a theory explaining how the pieces of earths surface (the plates) move.

11. the only liquid layer

12. vibrations that travel through earth and are caused by events like earthquakes or human made blasts

14. the crust and the upper layer of the mantle together make up a zone of rigid brittle rock called

15. the only layer 800 miles thick

17. the region below the lithosphere in which the rock is less rigid than above and below.