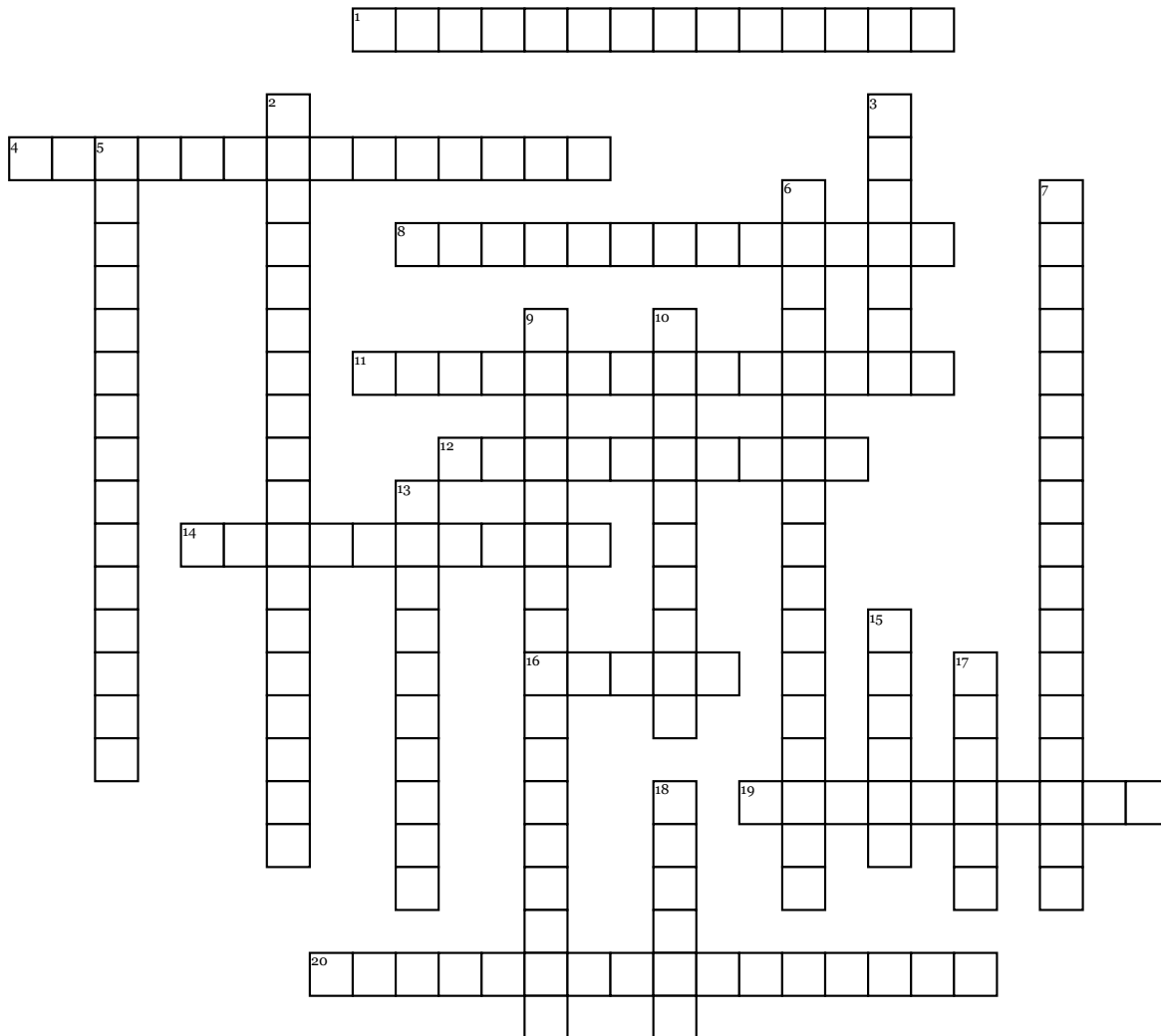


Plate tectonics



Across

1. One theory put together by geologists
4. A mountain chain that runs for 8,900 kilometers
8. Forms long chains of mountains that rise up from the ocean floor
11. Rock on the ocean floor creates this
12. Where pieces of crust diverge on land
14. Crust closer to a mid-ocean ridge moves away from the ridge and toward a deep ocean trench

16. A device that uses sound lengths to measure the distance to an object

19. The lady who found that the ocean floor looked like the seams of a baseball

20. Wegener's idea that the continents slowly moved over Earth's surface

Down

2. Plates that come together
3. 200 million years ago this existed
5. The oceanic crust bends downward
6. Plates that move apart

7. Plates that slip past each other

9. Adds more crust to the ocean floor

10. A major earthquake that took place in California in 1857 and 1906

13. Renewed about every 200 million years

15. An ancient organism that has been preserved in rock

17. Earth's lithosphere solid outer shell

18. Breaks in the Earth's crust where rocks have slipped past each other