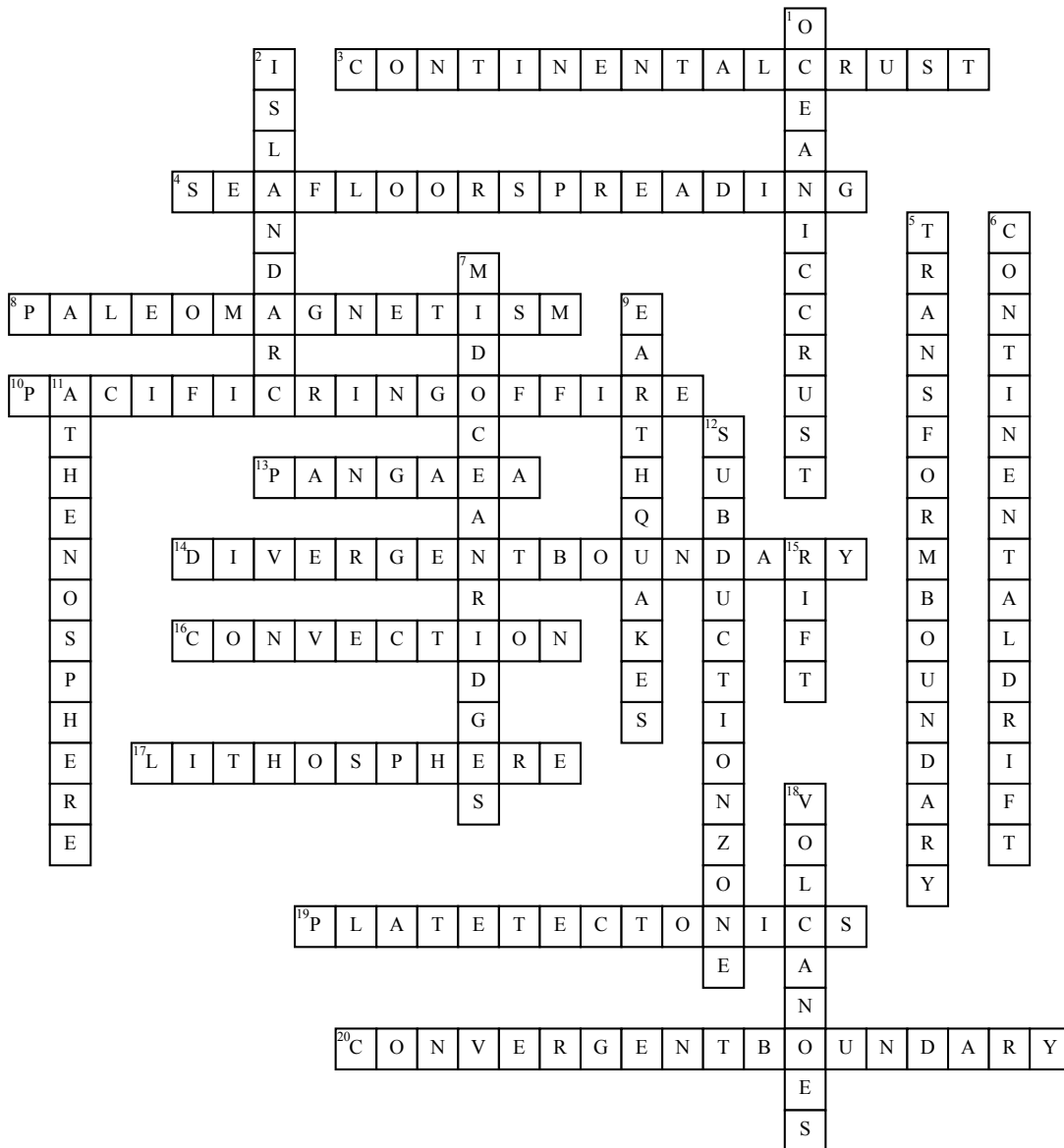


# Plate Tectonics



## Across

3. thickest beneath high mountain ranges
4. new oceanic lithosphere [sea floor] form as magma rises to earth's surface and solidifies at mid-ocean ridges
8. the study of the alignment of magnetic minerals in rock
10. zone of active volcanoes that encircles the pacific ocean
13. "supercontinent"
14. moving apart
16. movement of matter due to different in density that are caused by temp.

17. solid, outer layer of earth that consists of crust and the rigid upper part of the mantle.

19. the lithosphere of the earth 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.

20. moving together

## Down

1. the crust beneath the ocean
2. chain of volcanic island
5. sliding past each other
6. states that the continents once formed a single landmass

7. a long, undersea mountain chain that has steep, narrow valleys at its center

9. trembling of the ground that is caused by a sudden release of energy when rocks along a fault move

11. solid, plastic layer of the mantle beneath the lithosphere made of mantle rock that flows very slowly

12. region along a plate boundary where one plates move under another plate

15. a crack

18. fissure in the earth's surface through which magma and gases are expelled