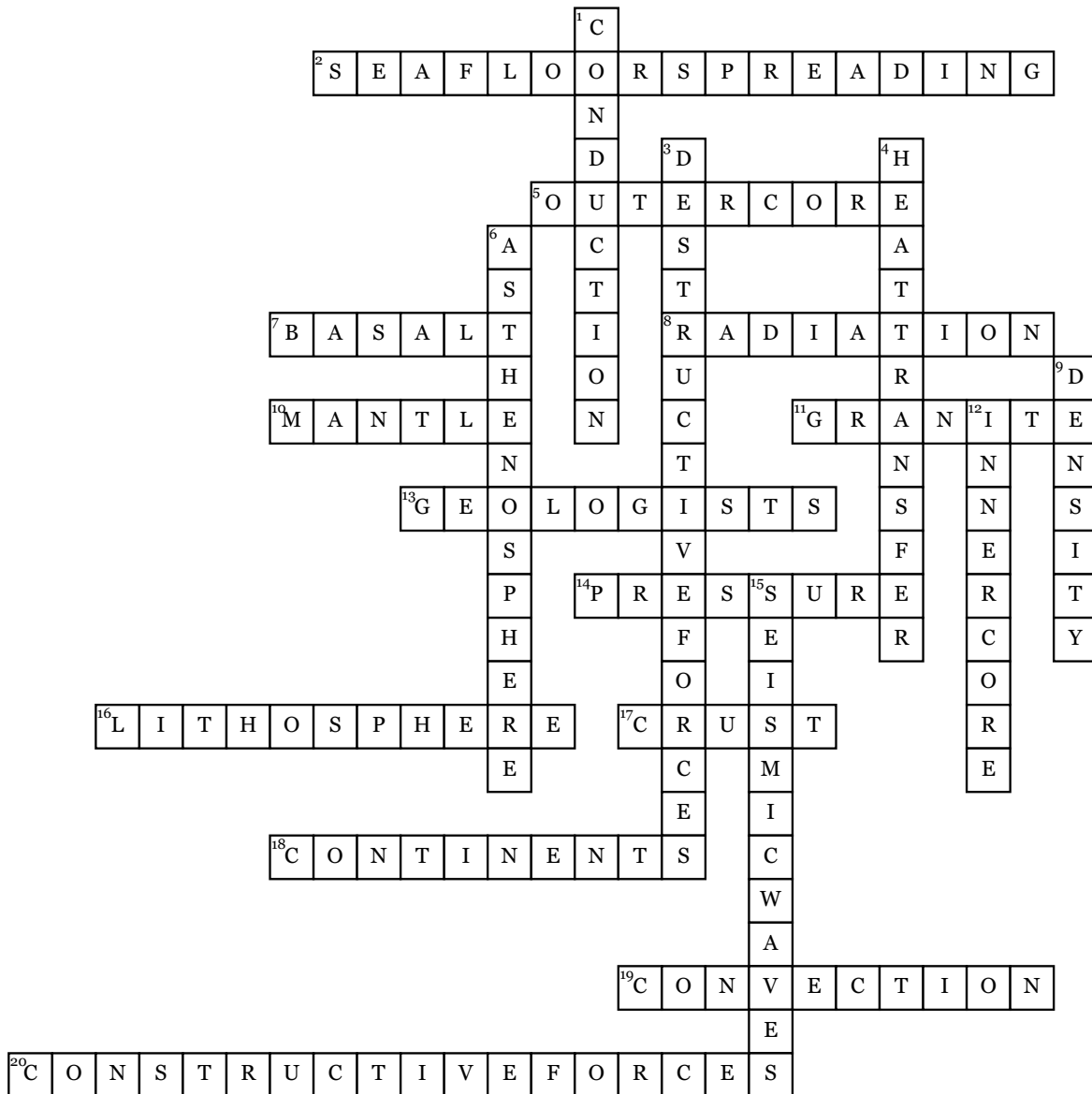


Inside Earth: Plate Tectonics



Across

2. the process which continually adds new material to the ocean floor
5. layer of molten metal which surrounds the inner core
7. dark, dense rock
8. the transfer of empty space
10. layer of hot rock
11. rock that has bigger and denser crystals than basalt
13. scientists that study the forces that make the Earth

14. the force that pushes on a surface or an area

16. uppermost part of the mantle

17. layer of rock that forms Earth's outer skin

18. seven great landmasses that are surrounded by oceans

19. heat transfer by the movement of a heated fluid

20. force that shapes the surface

Down

1. heat transfer by direct contact of particles of matter

3. Forces that wear away features on the surface

4. the movement of energy from a warmer to a cooler object

6. soft layer beneath the lithosphere

9. the measure of how much mass there is in a volume of a substance

12. dense ball of solid metal

15. when earthquakes occur, the produce _____